Allied Telesis™

NETWORK SMARTER

Product Catalog

2021

Allied Telesis

Allied Telesis have been serving the needs of the network communications industry for over 30 years. Although the technology we design and build has evolved significantly over time, our hard-earned reputation for standards-based performance, product reliability and value has remained a constant, highly respected value to our customers and partners around the globe.

Our solutions-based philosophy of producing products that deliver value to our customers, together with high-quality service and support, has resulted in a very extensive worldwide customer base.

Allied Telesis continuously enhances its products. As a result, this catalog may not correctly represent all products currently available. Products may also vary by geographic region. Product specifications can change without notice, and while Allied Telesis makes every effort to ensure the accuracy of information presented in this catalog, the Company does not accept liability for errors or changes in the stated specifications.

For current product availability by region, full and complete product specifications and warranty information, please contact your regional sales manager or visit **AlliedTelesis.com**.

Environmental Policy

As a major industry developer and manufacturer of networking equipment, Allied Telesis is committed to providing our customers with products designed and built to the highest quality, while minimizing the impact to the environment during both manufacturing and product operation.

Our Philosophy

Allied Telesis recognizes the importance of protecting the global environment and promoting conservation of biodiversity. We creatively utilize technology for sustainable social progress and for protecting the environment. Allied Telesis is committed to passing down a healthy global environment to the next generation.

For more information on our initiatives please visit **AlliedTelesis.com**/about-us/eco-friendly

NETWORK SMARTER

Smart Network Management

Administering a network is no easy feat.

Rapid troubleshooting and the ability to monitor network performance is critical. Allied Telesis offers software tools to help visualize and plan for network growth, while maintaining the health and performance of your network. Allied Telesis understands that enterprise customers want simplicity, security and automation. Customers are well-placed to enjoy a variety of network automation tools that make networking easy. Our powerful network management solutions deliver many benefits at an affordable price.

Intent-Based Networking (IBN) promises to deliver more agile networks that are easier to manage, as administrators move away from esoteric device-specific command lines, and instead use natural language or a graphical interface to express their intent. Device and network configuration are then automatically updated to meet the expected outcomes in performance and application operation.

Supporting the move to IBN, centralized management and network automation tools remove the need for constant administrative input, and the network becomes self-managing and self-healing, resulting in an improved online experience for users, and greatly reduced management time and effort.

Powerful network automation and management

Allied Telesis have developed tools for autonomous networking for several years. Our Autonomous Management Framework™ (AMF) and Autonomous Wave Controller™ (AWC) automate and optimize wired and wireless networks, saving time and cost by reducing the amount of manual administration effort required for network operation.

Vista Manager™ EX is our single-pane-of-glass graphical management dashboard for central control or AMF and AWC networks. These tools accomplish the day-to-day heavy lifting of running a network, using powerful built-in automation to free up skilled network administrators for more useful tasks. The integration of AMF Security, and addition of a Software-Defined WAN dashboard continue to add further centralized management capabilities to Vista Manager EX, making it a one-stop solution for monitoring and managing your entire network infrastructure.

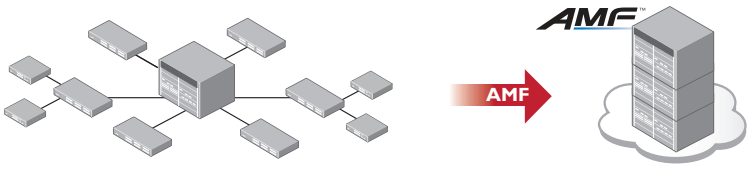
Allied Telesis continue to innovate in making network management both natural and easy, meeting business intent.

AUTONOMOUS MANAGEMENT FRAMEWORK

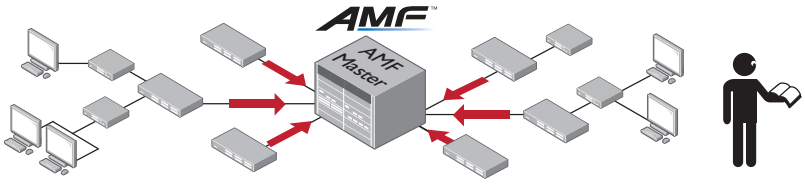
AMF is an intelligent and scalable network management platform. It supports Allied Telesis switching, firewall, and wireless products, as well as a wide range of third-party devices—including video surveillance cameras and IP phones—for truly inclusive network automation. Reducing network running costs by automating and simplifying many day-to-day tasks, AMF allows skilled staff to be better utilized.

Save time and reduce costs by up to 60% with AMF

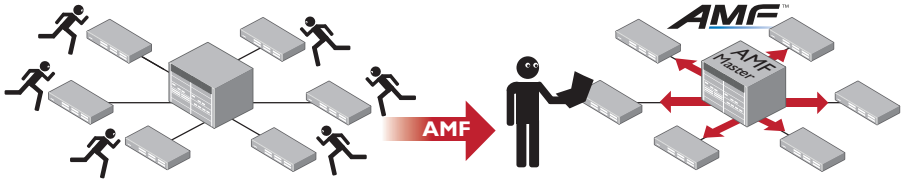
CENTRALIZED MANAGEMENT Manage the entire network as a single virtual device.



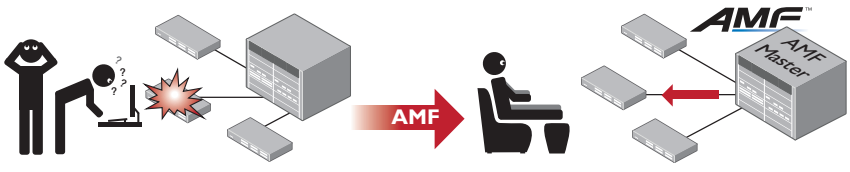
AUTO-BACKUP Automatically backup the entire network daily for peace-of-mind networking.



AUTO-UPGRADE Upgrade the network with a single command.



AUTO-PROVISIONING AND AUTO-RECOVERY Plug-and-Play additions or replacements.



Business Value Through Automation

AMF delivers immediate value to businesses of all sizes, with centralized network management able to treat a network of any size as a single, converged entity. This reduces cost and complexity by delivering:

- **Centralized management** of many or all devices right across the network—locally or world-wide.
- **Network automation**, with zero-touch or one-touch backup, provisioning, upgrade, and recovery.
- **Network intelligence** reacts to changes in the network and automatically changes the topology.
- **Smart commands** allow network problems to be quickly identified and issues resolved.

AMF saves time and money!

Simplify Your Network

Software-Defined Networking (SDN) is moving networking towards the ideal combination of optimal network utilization and centralized management. An integral part of the Allied Telesis SDN solution, AMF delivers powerful management capabilities that are easy to use, and reduce the time and skill required to maintain the network. Configuration and firmware files are regularly backed up, network expansion is automated, and device recovery is fully zero-touch.

AMF Security

ENHANCE NETWORK SECURITY AND REDUCE ADMINISTRATION EFFORT

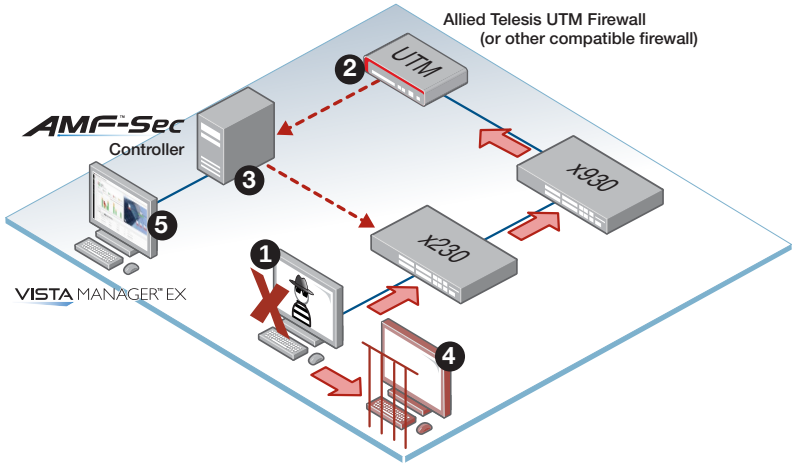
AMF Security (AMF-Sec) is a state-of-the-art network management and security solution. It provides what enterprises consistently tell us they need: reduced network management costs, increased security, and an improved end-user experience. Our award-winning innovative solution works with security appliances to instantly respond to malware alerts and block the movement of threats anywhere within your wired or wireless network, and can also automate network access control.

- **Automatic security threat isolation and remediation**
- **Blocks any offending wired or wireless user device**
- **Secure user authentication and control of network access**

Block Threats at the Source

Most intrusion prevention solutions are only capable of blocking suspicious traffic as it passes through the firewall, so only external threats from the Internet can be detected and blocked. However, AMF-Sec can isolate traffic anywhere in the network, so it can prevent threats not only at the border, but malware threats inside the network too, such as those introduced inadvertently by staff with USB sticks, BYOD and so on.

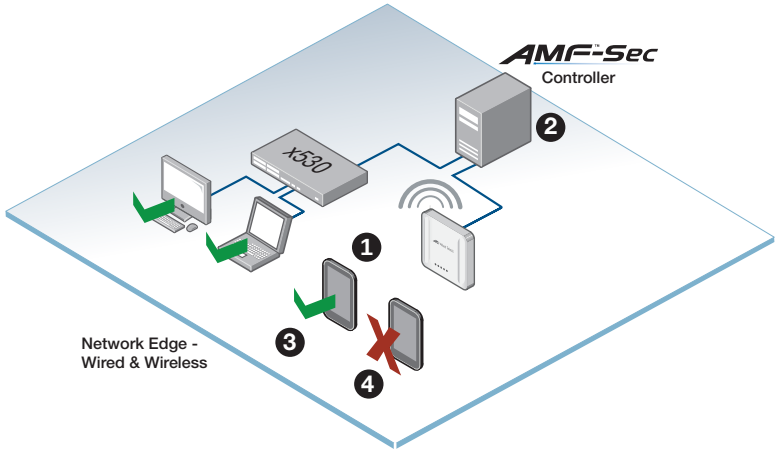
1. Targeted attack inside the network! Threat information is seen upline
2. Firewall sends threat notification
3. AMF-Sec instructs switch to shut down threat source
4. Infected device sent to quarantine
5. Security alert shown on Vista Manager EX



Automate Network Access Control

Remove the need to manually setup each new user device as part of rolling out a network security solution. With AMF-Sec, new user devices are automatically authenticated against a database on the AMF-Sec controller when they attempt to access the network. Non-authenticated devices are blocked, protecting the network and digital business information.

1. New devices attempt to join the network
2. New device MAC address checked against authentication database
3. Authenticated device is granted access
4. Non-authenticated device is blocked



VISTA Manager

UNIFIED NETWORK MONITORING AND MANAGEMENT

Allied Telesis Vista Manager makes networking easy. We seamlessly integrate network automation tools into a single-pane-of-glass monitoring and management platform, with three Vista Manager options to suit any size network – whether campus-wide, city-wide or even world-wide. Intuitive access, visual status, and actionable security and performance reporting of wired, wireless, and third-party devices reduces cost and complexity. Let Allied Telesis remove technology obstacles, and enable your network to truly support your business.

VISTA MANAGER EX

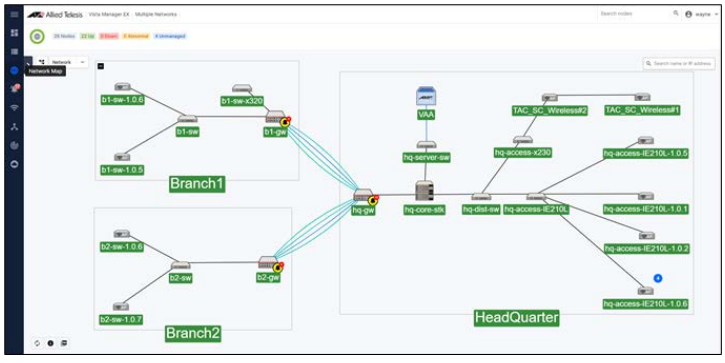
VISTA MANAGER™
NETWORK APPLIANCE

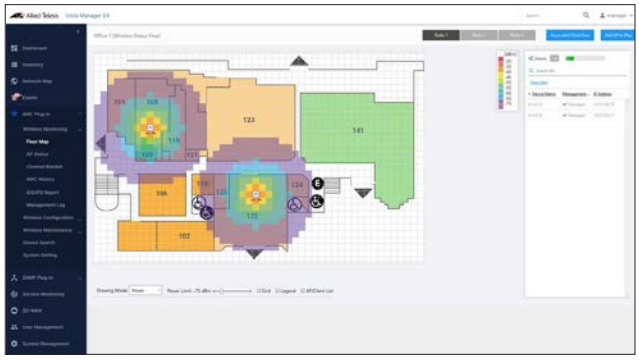
VISTA MANAGER™ MINI

SEAMLESSLY INTEGRATED AUTOMATION TOOLS

Our Autonomous Management Framework (AMF) and Autonomous Wave Control (AWC) automate and optimize the operation of wired and wireless networks. SNMP supports third party devices, while the SD-WAN Orchestrator enables secure application delivery across all business locations.

- Intuitive single-pane-of-glass interface
- Centralized network and device management
- Manage Allied Telesis switches, firewalls, wireless APs, as well as third-party devices
- Automatically created topology maps
- Real-time traffic, protocol, and service monitoring
- Simplified VLAN creation and management
- Integrated security alerts from the AMF Security controller
- Secure SD-WAN dashboard for inter-branch network optimization



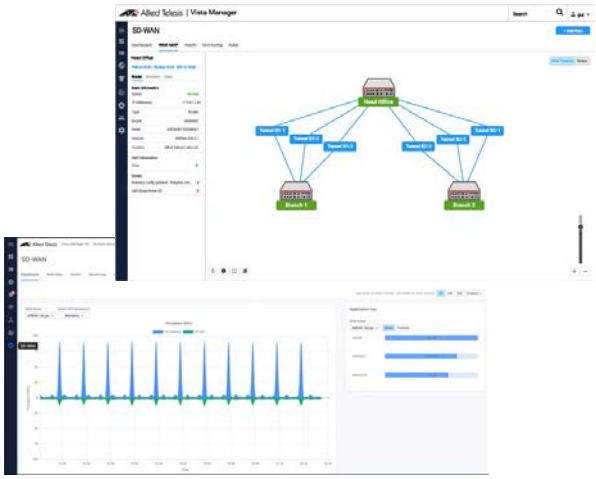


Secure SD-WAN

SD-WAN

Today's organizations are increasingly adopting cloud-based services with the ability to rapidly deploy new services and adopt the latest functionality with minimal effort. The same is true of the adoption of software-defined technologies with the ability to deliver greater performance and flexibility, while at the same time reducing cost.

Secure SD-WAN simplifies your branch office connections for more reliable and secure application delivery. Our solution improves WAN performance, flexibility and agility, with the added benefits of built-in security and reduced operating costs.



Switches

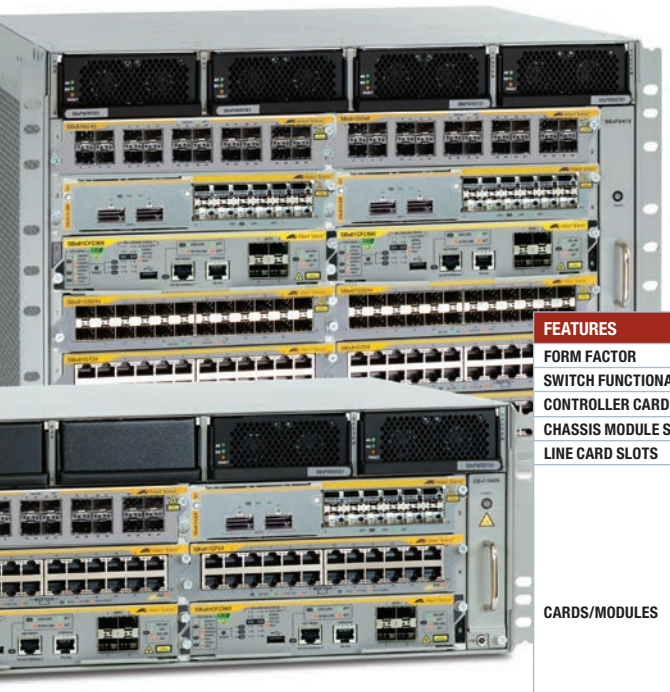
Feature-rich, dependable switching - from edge to core.

Allied Telesis engineers high-performance, high-quality, future-proof products to meet requirements for enterprise, campus, branch, and private cloud networks of various sizes.

Allied Telesis SwitchBlade® and xSeries switches, with the AlliedWare Plus™ operating system, provide scalable and versatile switching solutions for today's enterprise and service provider networks from edge to core. These switches, featuring Allied Telesis Autonomous Management Framework (AMF), decrease network operating expenses by automating and simplifying many day-to-day tasks. Allied Telesis also produces top-of-rack switches for the enterprise data center market, extended temperature products for industry, and unmanaged and WebSmart switches for small and medium business.

Core Chassis Switches

SWITCHBLADE



SwitchBlade x8100 Series

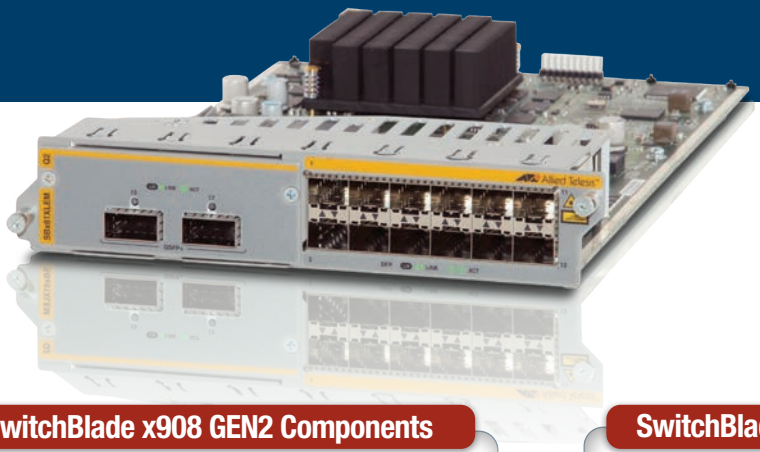
The SwitchBlade x8100 Series core chassis switches are primarily engineered for medium to large enterprise networks — but are equally at home in the enterprise data center. They are designed to deliver high availability, maximum performance, future scalability, and high port count in compact, eco-friendly packages.

SwitchBlade x908 GEN2

Following on from the incredible success of the SwitchBlade x908, the Generation 2 builds on the popular modular design, with performance to satisfy the most demanding network applications and traffic requirements.

Expansion modules (XEMs) support today's fastest Ethernet standards, with 100G, 40G and 10G/1G options, as well as Multi-Gig options that can connect at 2.5G and 5G to support high-speed wireless and network upgrades over legacy cabling. The ability to use any combination of XEMs, as well as stack up to four units, make the SwitchBlade x908 GEN2 the most flexible and powerful 3RU switching solution available.

FEATURES		SBx908 GEN2	SBx8112	SBx8106
FORM FACTOR		Rackmount / stack	Rackmount	
SWITCH FUNCTIONALITY		Advanced Layer 3	Advanced Layer 3	
CONTROLLER CARD			CFC960	
CHASSIS MODULE SLOTS		8	12	6
LINE CARD SLOTS			10	4 (5 with one CFC)
CARDS/MODULES	10/100/1000T ports		24 × RJ-45 (SBx81GT24) 24 × PoE+ (SBx81GP24) 8 x RJ-45 (SBx81XLEM + GT8)	
	100/1000X SFP ports		24 × SFP (SBx81GS24a) 12 x SFP (SBx81XLEM)	
	100M/1G/10G ports	12 x 100M/1G/10G RJ-45 (XEM2-12XT)		
	1/2.5/5/10G ports	4 x 1/2.5/5/10G RJ-45 (XEM2-8XSTm) 12 x 1/2.5/5/10G RJ-45 (XEM2-12XTm)		
	1G/10G ports	4 x 1G/10G SFP+ (XEM2-8XSTm) 12 x 1G/10G SFP+ (XEM2-12XS)	4 x RJ-45 (SBx81XLEM + XT4)	
	1G ports		40 x CSFP (SBx81GC40)	
	10G ports		8 x SFP+(SBx81XLEM + XS8)	
	40G ports	4 x 40G QSFP+ (XEM2-4QS)	2 x 40G QSFP+ (SBx81XLEM + Q2)	
	100G ports	1 x 100G QSFP28 (XEM2-1CQ)		
POWER SUPPLY	PSU type	Dual hot-swappable internal	Dual system hot-swappable internal Dual PoE+ hot-swappable internal	
	-48vDC PSU option	■	■	
	Additional PSU	SBxPWRSYS2	SBxPWRSYS2 / SBxPWRPOE1	
SCALABILITY	MAC address table size	96K	32K / 128K	
	Stacking (VCStack)	■ (4)	■ (2)	
	Stacking bandwidth	400G	160G	
POWER OVER ETHERNET	IEEE 802.3at (PoE+)		■	
	PoE+ enabled ports		240	120
	Max PoE+ power		2400W	
	Max full power ports (30W)		80	
ENVIRONMENTAL	Cooling	Hot-swappable fan modules	Hot-swappable fan tray	
	Temperature range	0°C to 50°C	0°C to 40°C	
MANAGEMENT	Web GUI	■	■	
	CLI / Telnet / SNMP	■	■	
	IPv6 management	■	■	
	DHCPv4 / v6 server	■	■	
	AMF Master	■	■	
	AMF Controller	■	■	
NETWORK RESILIENCE	Spanning Tree	■	■	
	Link aggregation (LACP)	■	■	
	EPSRing	■	■	
	ISSU		■	
	VRRPv3	■	■	
QoS	IEEE 802.1p priority queues	8	8	
SECURITY	IEEE 802.1Q VLANs	4K	4K	
	RADIUS / TACACS+	■	■	
	SSH / SSL	■	■	
	IEEE 802.1x	■	■	
	DoS protection	■	■	
	DHCP snooping	■	■	
ROUTING	Static routes v4 / v6	■	■	
	RIP / RIPng	■	■	
	OSPFv2 / v3	■	■	
	VRF Lite	■	■	
	Policy-based routing	■		
	BGP4 / BGP4+	■	■	
MULTICASTING	IGMPv1 / v2 / v3	■	■	
	MLDv1 / v2	■	■	
	PIMv4 / PIMv6	■	■	
	PIM-SSM	■	■	



SwitchBlade x908 GEN2 Components

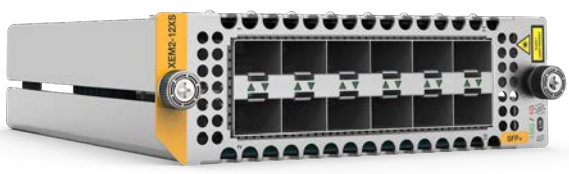
- **SBx908 GEN2**
  High capacity Layer 3+ modular switch chassis with 8 x high-speed expansion bays, fans included
- **SBxPWRSYS2**
  Hot-swappable load-sharing power supply
- **SBxPWRSYS1-80**
  1200W DC system power supply
- **FAN08**
  Spare hot-swappable fan module
- **XEM2-8XSTm**
  4 x 1/2.5/5/10G RJ-45 ports and 4 x 1G/10G SFP+ ports
- **XEM2-12XTm**
  12 x 100M/1/2.5/5/10G RJ-45 ports
- **XEM2-12XT**
  12 x 100M/1G/10G RJ-45 ports
- **XEM2-12XS**
  12 x 1G/10G SFP+ ports
- **XEM2-4QS**
  4 x 40G QSFP+ ports
- **XEM2-1CQ**
  1 x 100G QSFP28 port
- **FL-GEN2**
  Please refer to the product datasheet for the full list of licenses

SFP/SFP+ Optics

Learn more about Allied Telesis pluggable optics on pages 40-43.

SwitchBlade x8100 Series Components

- **SBx8106**
  Rackmount 6-slot chassis including fan tray
- **SBx8112**
  Rackmount 12-slot chassis including fan tray
- **SBx81CFC960**
  Control/fabric module with 960Gbps of switching performance and 4-port 10GbE SFP+
- **SBx81GT24**
  24-port 10/100/1000T Ethernet line card
- **SBx81GP24**
  24-port 10/100/1000T PoE+ Ethernet line card
- **SBx81GS24a**
  24-port SFP Ethernet line card
- **SBx81GC40**
  40-port CSFP Ethernet line card
- **SBx81XLEM**
  Modular 40G line card with 12 x 100/1000X SFP
- **SBx81XLEM/XS8**
  8 x 10G SFP+ module for the SBx81XLEM line card
- **SBx81XLEM/Q2**
  2 x 40G QSFP+ module for the SBx81XLEM line card
- **SBx81XLEM/XT4**
  4 x 1/10G RJ-45 module for the SBx81XLEM line card
- **SBx81XLEM/GT8**
  8 x 10/100/1000T RJ-45 module for the SBx81XLEM line card
- **SBxPWRSYS2**
  1200W AC system power supply
- **SBxPWRSYS1-80**
  1200W DC system power supply
- **SBxPWRPOE1**
  1200W AC PoE+ power supply
- **FL-CFC**
  Please refer to the product datasheet for the full list of licenses



Core and Distribution

x950 Series

Allied Telesis x950 Series switches are ideal for high-performing modern enterprise network cores, with stacking to create a resilient local or distributed solution, and integrated management of wired and wireless network devices. These powerful switches have 100 Gigabit connectivity built-in, and are expandable, delivering the capacity to enable today's Smart City and IoT networks.

COMING SOON XTQm

FEATURES		x950-28XSQ x950-28XTQm	x950-52XSQ x950-52XTQm	x550-18XSQ x550-18XTQ	x550-18XSPQm
FORM FACTOR		Rackmount / stack	Desktop / rackmount / stack	Desktop / rackmount / stack	Desktop / rackmount / stack
SWITCH FUNCTIONALITY		Advanced Layer 3	Advanced Layer 3	Advanced Layer 3	Advanced Layer 3
PORTS AND MEDIA SUPPORT	10/100/1000T ports	24 (1/2.5/5/10G) (XTQm)	48 (1/2.5/5/10G) (XTQm)	16 (1/10G) (XTQ)	8 (1/2.5/5/10G)
	100/1000X SFP ports				
	1G/10G SFP+ ports	24 (XSQ)	48 (XSQ)	16 (XSQ)	8
	40G QSFP+ ports	4 (40G/100G)	4 (40G/100G)	2	2
	Expansion module bays	1			
	Ethernet mult-gigabit support	■ (XTQm)	■ (XTQm)		■
POWER SUPPLY	PSU type	Dual internal hotswap	Dual internal hotswap	Internal	Internal
	-48vDC PSU option	PWR600-80	PWR600-80		
	Additional PSU	PWR600	PWR600		
POWER OVER ETHERNET	IEEE 802.3af (PoE)				■
	IEEE 802.3at (PoE+)				■
	PoE-enabled ports				8
	Max PoE+ power				240W
	Max full power PoE+ ports				8
	Continuous PoE				■
SCALABILITY	MAC address table size	96K	96K	16K	16K
	Stacking (VCStack)	■ 8	■ 8	■ 4	■ 4
	Long-distance VCStack	■ 8	■ 8	■ 4	■ 4
	Stacking bandwidth	400G	400G	160G	160G
ENVIRONMENTAL	Cooling	Fan	Fan	Fan	Fan
	Temperature range	0°C to 50°C	0°C to 50°C	0°C to 45°C	0°C to 45°C
MANAGEMENT	Web GUI	■	■	■	■
	CLI / Telnet / SNMP	■	■	■	■
	IPv6 management	■	■	■	■
	DHCPv4 / v6 server	■	■	■	■
	AMF Master	■	■	■	■
	AMF Member	■	■	■	■
NETWORK RESILIENCE	Spanning Tree	■	■	■	■
	Link aggregation (LACP)	■	■	■	■
	EPSRing	■	■	■	■
	VRRPv3	■	■	■	■
QoS	IEEE 802.1p priority queues	8	8	8	8
SECURITY	IEEE 802.1Q VLANs	4K	4K	4K	4K
	RADIUS / TACACS+	■	■	■	■
	SSH / SSL	■	■	■	■
	IEEE 802.1x	■	■	■	■
	DoS protection	■	■	■	■
	MACsec	■			
	DHCP snooping	■	■	■	■
ROUTING	Static routes v4 / v6	■	■	■	■
	RIP / RIPng	■	■	■	■
	OSPFv2 / v3	■	■	■	■
	BGP4 / BGP4+	■	■	■	■
	Policy-based routing	■	■	■	■
	VRF Lite	■	■		
MULTICASTING	IGMPv1 / v2 / v3	■	■	■	■
	MLDv1 / v2	■	■	■	■
	PIMv4 / PIMv6	■	■	■	■
	PIM-SSM / PIM-SSMv6	■	■	■	■
SDN	OpenFlow	■	■	■	■

x550 Series

The x550 Series of compact 10 Gigabit switches provide an ideal solution for 10G aggregation with 40G uplinks in larger networks, or a resilient 10G network core for smaller networks with stacked units providing high availability.

x930 Series

Allied Telesis x930 Series switches are a high-performing and feature-rich choice for today's networks. With a range of 24- and 48-port models with 10 Gigabit uplink ports, the option of PoE+, and the power of Allied Telesis Virtual Chassis Stacking (VCStack™), the x930 Series has the flexibility and performance for demanding aggregation and distribution applications.

FEATURES		x930-28GTX x930-28GPX	x930-28GSTX	x930-52GTX x930-52GPX
FORM FACTOR		Desktop / rackmount / stack	Desktop / rackmount / stack	Desktop / rackmount / stack
SWITCH FUNCTIONALITY		Advanced Layer 3	Advanced Layer 3	Advanced Layer 3
PORTS AND MEDIA SUPPORT	10/100/1000T ports	24	24 combo	48
	100/1000X SFP ports		24 combo	
	1G/10G SFP+ ports	4	4	4
	40G QSFP+ ports	2 (StackQS)	2 (StackQS)	2 (StackQS)
	Expansion module bays	1	1	1
	Ethernet mult-gigabit support			
POWER SUPPLY	PSU type	Dual internal hotswap	Dual internal hotswap	Dual internal hotswap
	-48vDC PSU option	PWR250-80	PWR250-80	PWR250-80
	Additional PSU	PWR150 PWR250 PWR800 PWR1200	PWR150 PWR250 PWR800 PWR1200	PWR150 PWR250 PWR800 PWR1200
POWER OVER ETHERNET	IEEE 802.3af (PoE)	■ (GPX)		■ (GPX)
	IEEE 802.3at (PoE+)	■ (GPX)		■ (GPX)
	PoE-enabled ports	24 (GPX)		48 (GPX)
	Max PoE+ power	720W (GPX)		1440W (GPX)
	Max full power PoE+ ports	24 (GPX)		48 (GPX)
	Continuous PoE	■ (GPX)		■ (GPX)
SCALABILITY	MAC address table size	64K	64K	64K
	Stacking (VCStack)	■ 8	■ 8	■ 8
	Long-distance VCStack	■ 8	■ 8	■ 8
	Stacking bandwidth	40G (SFP+) 160G (StackQS)	40G (SFP+) 160G (StackQS)	40G (SFP+) 160G (StackQS)
ENVIRONMENTAL	Cooling	Fan	Fan	Fan
	Temperature range	0°C to 45°C (GPX) 0°C to 50°C (GTX)	0°C to 50°C	0°C to 45°C (GPX) 0°C to 50°C (GTX)
MANAGEMENT	Web GUI	■	■	■
	CLI / Telnet / SNMP	■	■	■
	IPv6 management	■	■	■
	DHCPv4 / v6 server	■	■	■
	AMF Master	■	■	■
	AMF Member	■	■	■
NETWORK RESILIENCE	Spanning Tree	■	■	■
	Link aggregation (LACP)	■	■	■
	EPSRing	■	■	■
	VRRPv3	■	■	■
QoS	IEEE 802.1p priority queues	8	8	8
SECURITY	IEEE 802.1Q VLANs	4K	4K	4K
	RADIUS / TACACS+	■	■	■
	SSH / SSL	■	■	■
	IEEE 802.1x	■	■	■
	DoS protection	■	■	■
	MACsec	■	■	■
	DHCP snooping	■	■	■
ROUTING	Static routes v4 / v6	■	■	■
	RIP / RIPng	■	■	■
	OSPFv2 / v3	■	■	■
	BGP4 / BGP4+	■	■	■
	Policy-based routing	■	■	■
	VRF Lite	■	■	■
MULTICASTING	IGMPv1 / v2 / v3	■	■	■
	MLDv1 / v2	■	■	■
	PIMv4 / PIMv6	■	■	■
	PIM-SSM / PIM-SSMv6	■	■	■
SDN	OpenFlow	■	■	■

SFP/SFP+ Optics

Learn more about Allied Telesis pluggable optics on pages 40-43.

Distribution and Intelligent Edge

x530 Series

The Allied Telesis x530 Series are powerful Multi-Gigabit switches with high capacity, resiliency and easy management, making them the ideal choice for demanding distribution and high-speed connectivity applications.

x530 GHXm models

The Allied Telesis x530 GHXm models include options for dual hotswap PSUs to support high resiliency deployment. All models support PoE++ with either 60 or 90 Watts of PoE to connect and power today's high-power devices.

			COMING SOON		COMING SOON	COMING SOON
FEATURES		**x530-28GPXm x530-28GTXm**	**x530DP-28GHXm**	**x530-52GPXm x530-52GTXm**	**x530DP-52GHXm**	**x530-10GHXm x530-18GHXm**
FORM FACTOR		Desktop / rackmount / stack	Desktop / rackmount / stack	Desktop / rackmount / stack	Desktop / rackmount / stack	Desktop / rackmount / stack
SWITCH FUNCTIONALITY		Basic Layer 3 upgradeable to advanced Layer 3	Basic Layer 3 upgradeable to advanced Layer 3	Basic Layer 3 upgradeable to advanced Layer 3	Basic Layer 3 upgradeable to advanced Layer 3	Basic Layer 3 upgradeable to advanced Layer 3
PORTS AND MEDIA SUPPORT	10/100/1000T ports	24 (4 x 100M/1/2.5/5G)	24 (4 x 100M/1/2.5/5G)	48 (8 x 100M/1/2.5/5G)	48 (8 x 100M/1/2.5/5G)	8/16 (100M/1/2.5/5G)
	1G/10G SFP+ ports	4 (2 if stacked)	4 (2 if stacked)	4 (2 if stacked)	4 (2 if stacked)	2
	Ethernet multi-gigabit support	■	■	■	■	■
POWER SUPPLY	PSU type	Dual fixed internal	Dual hotswap	Dual fixed internal	Dual hotswap	Dual fixed internal
	-48vDC PSU option					
POWER OVER ETHERNET	IEEE 802.3af (PoE)	■ (GPXm)	■	■ (GPXm)	■	■
	IEEE 802.3at (PoE+)	■ (GPXm)	■	■ (GPXm)	■	■
	IEEE 802.3bt (PoE++)		■ (60 Watts / port)		■ (60 Watts / port)	■ (90 Watts / port)
	PoE-enabled ports	24 (GPXm)	24	48 (GPXm)	48	8/16
	Max PoE+ power	740W (GPXm)	1440W	740W (GPXm)	1440W	1000W
	Max full power PoE+ ports	24 (GPXm)	24	24 (GPXm)	48	8/16
	Continuous PoE	■ (GPXm)	■	■ (GPXm)	■	■
SCALABILITY	MAC address table size	16K	16K	16K	16K	16K
	Stacking (VCStack)	■ 8	■ 8	■ 8	■ 8	■ 8
	Long-distance VCStack	■ 8	■ 8	■ 8	■ 8	■ 8
	Stacking bandwidth	40G	40G	40G	40G	40G
ENVIRONMENTAL	Cooling	Fan	Fan	Fan	Fan	Fan
	Temperature range	0°C to 50°C	0°C to 50°C	0°C to 50°C	0°C to 50°C	0°C to 50°C
MANAGEMENT	Web GUI	■	■	■	■	■
	CLI / Telnet / SNMP	■	■	■	■	■
	IPv6 management	■	■	■	■	■
	DHCPv4 / v6 server	■	■	■	■	■
	AMF Master	■	■	■	■	■
	AMF Member	■	■	■	■	■
NETWORK RESILIENCE	Spanning Tree	■	■	■	■	■
	Link aggregation (LACP)	■	■	■	■	■
	EPSRing	■	■	■	■	■
	VRRPv3	■	■	■	■	■
QoS	IEEE 802.1p priority queues	8	8	8	8	8
SECURITY	IEEE 802.1Q VLANs	4K	4K	4K	4K	4K
	RADIUS / TACACS+	■	■	■	■	■
	SSH / SSL	■	■	■	■	■
	IEEE 802.1x	■	■	■	■	■
	DoS protection	■	■	■	■	■
	DHCP snooping	■	■	■	■	■
ROUTING	Static routes v4 / v6	■	■	■	■	■
	RIP / RIPng	■	■	■	■	■
	OSPFv2 / v3	■	■	■	■	■
	BGP4 / BGP4+	■	■	■	■	■
	Policy-based routing	■	■	■	■	■
	VRF Lite	■	■	■	■	■
MULTICASTING	IGMPv1 / v2 / v3	■	■	■	■	■
	MLDv1 / v2	■	■	■	■	■
	PIMv4 / PIMv6	■	■	■	■	■
	PIM-SSM / PIM-SSMv6	■	■	■	■	■
SDN	OpenFlow	■	■	■	■	■

x530L Series

The Allied Telesis x530L Series stackable Layer 3 switches feature high capacity, resiliency and easy management, making them the ideal choice for network access applications feature-rich, and with PoE models to support security cameras, wireless APs, and more, ensures a versatile enterprise solution.

COMING SOON 18GHXm

FEATURES		x530L-28GTX x530L-28GPX	x530L-52GTX x530L-52GPX	x530L-10GHXm x530L-18GHXm
FORM FACTOR		Desktop / rackmount / stack	Desktop / rackmount / stack	Desktop / rackmount / stack
SWITCH FUNCTIONALITY		Basic Layer 3 upgradeable to advanced Layer 3	Basic Layer 3 upgradeable to advanced Layer 3	Basic Layer 3 upgradeable to advanced Layer 3
PORTS AND MEDIA SUPPORT	10/100/1000T ports	24	48	8/16 (100M/1/2.5/5G)
	1G/10G SFP+ ports	4 (2 if stacked)	4 (2 if stacked)	2
	Ethernet multi-gigabit support			■
POWER SUPPLY	PSU type	Dual fixed internal	Dual fixed internal	Fixed internal
	-48vDC PSU option			
POWER OVER ETHERNET	IEEE 802.3af (PoE)	■ (GPX)	■ (GPX)	■
	IEEE 802.3at (PoE+)	■ (GPX)	■ (GPX)	■
	IEEE 802.3bt (PoE++)			■ (90 Watts / port)
	PoE-enabled ports	24 (GPX)	48 (GPX)	8/16
	Max PoE+ power	740W (GPX)	740W (GPX)	500/720W
	Max full power PoE+ ports	24 (GPX)	24 (GPX)	8/16
	Continuous PoE	■ (GPX)	■ (GPX)	■
SCALABILITY	MAC address table size	16K	16K	16K
	Stacking (VCStack)	■ 8	■ 8	■ 8
	Long-distance VCStack	■ 8	■ 8	■ 8
	Stacking bandwidth	40G	40G	40G
ENVIRONMENTAL	Cooling	Fan	Fan	Fan
	Temperature range	0°C to 50°C	0°C to 50°C	0°C to 50°C
MANAGEMENT	Web GUI	■	■	■
	CLI / Telnet / SNMP	■	■	■
	IPv6 management	■	■	■
	DHCPv4 / v6 server	■	■	■
	AMF Master	■	■	■
	AMF Member	■	■	■
NETWORK RESILIENCE	Spanning Tree	■	■	■
	Link aggregation (LACP)	■	■	■
	EPSRing	■	■	■
	VRRPv3	■	■	■
QoS	IEEE 802.1p priority queues	8	8	8
SECURITY	IEEE 802.1Q VLANs	4K	4K	4K
	RADIUS / TACACS+	■	■	■
	SSH / SSL	■	■	■
	IEEE 802.1x	■	■	■
	DoS protection	■	■	■
	DHCP snooping	■	■	■
ROUTING	Static routes v4 / v6	■	■	■
	RIP / RIPng	■	■	■
	OSPFv2 / v3	■	■	■
	BGP4 / BGP4+	■	■	■
	Policy-based routing	■	■	■
	VRF Lite			
MULTICASTING	IGMPv1 / v2 / v3	■	■	■
	MLDv1 / v2	■	■	■
	PIMv4 / PIMv6	■	■	■
	PIM-SSM / PIM-SSMv6	■	■	■
SDN	OpenFlow	■	■	■

Intelligent Edge

IX5-28GPX

Video surveillance PoE switch. An impressive set of features in a high-value package, making it ideal for IP video surveillance applications.

x320 Series

Allied Telesis x320 Series provide an intelligent smart building solution, with the high power model (90Watts / port) matched with the PoE pass-through model to support building automation.

FEATURES		IX5-28GPX	x320-10GH	x320-11GPT
FORM FACTOR		Desktop / rackmount / stack	Rackmount / DIN rail	Rackmount / DIN rail
SWITCH FUNCTIONALITY		Basic Layer 3	Basic Layer 3 upgradeable to advanced Layer 3	Basic Layer 3 upgradeable to advanced Layer 3
PORTS AND MEDIA SUPPORT	10/100/1000T	24	8	9
	100/1000X SFP ports		2	2
	1G/10G SFP+ ports	4 (2 if stacked)		
POWER SUPPLY	PSU type	Dual internal hotswap	External	External or PoE
	Additional PSU	PWR800	PWR300	
POWER OVER ETHERNET	IEEE 802.3af (PoE)	■	■	■ (pass-through)
	IEEE 802.3at (PoE+)	■	■	■ (pass-through)
	PoE+ enabled ports	24	8	8
	Max PoE+ power	720W	720W	46W
	Max full power ports (30W)	24	8 (90 Watts / port)	1
	Continuous PoE		■	■
SCALABILITY	MAC address table size	16K	16K	16K
	Stacking (VCStack)	■ (4)		
	Long-distance VCStack	■ (4)		
	Stacking bandwidth	40G		
ENVIRONMENTAL	Cooling	Fan	Fanless	Fanless
	Temperature range	0°C to 50°C	-10°C to 55°C	-10°C to 55°C
MANAGEMENT	Web GUI	■	■	■
	CLI / Telnet / SNMP	■	■	■
	IPv6 management	■	■	■
	DHCPv4 / v6 server	■	■	■
	AMF Member	■	■	■
NETWORK RESILIENCE	Spanning Tree	■	■	■
	Link aggregation (LACP)	■	■	■
	EPSRing	■	■	■
	VRRPv3	■		
QoS	IEEE 802.1p priority queues	8	8	8
SECURITY	IEEE 802.1Q VLANs	4K	4K	4K
	RADIUS / TACACS+	■	■	■
	SSH / SSL	■	■	■
	IEEE 802.1x	■	■	■
	DoS protection	■	■	■
	DHCP snooping	■	■	■
ROUTING	Static routes v4 / v6	■	■	■
	RIP / RIPng		■	■
	OSPFv2 / v3		■	■
MULTICASTING	IGMPv1 / v2 / v3	■	■	■
	MLDv1 / v2	■	■	■
	PIMv4 / PIMv6		■	■
	PIM-SSM / PIM-SSMv6		■	■
SDN	OpenFlow		■	■

x230 Series

Allied Telesis x230 Series switches provide an excellent access solution for today's networks, supporting Gigabit to the desktop for demanding applications. Compact PoE models enable easy deployment, while connecting and remotely powering devices such as wireless access points, and IP video surveillance cameras at the network edge.

x220 Series

The Allied Telesis x220 Series are fully managed high-performing Gigabit Layer 3 switches. Integrated security features, and 28 SFP or 48 Gigabit copper ports, enable long-distance fiber, or high-density copper connectivity at the edge of the network.

FEATURES		x230-10GT x230-10GP	x230-18GT x230-18GP	x230-28GT x230-28GP	x230L-17GT x230L-26GT	x220-28GS	x220-52GT x220-52GP
FORM FACTOR		Desktop / rackmount	Desktop / rackmount	Desktop / rackmount	Desktop / rackmount	Desktop / rackmount	Desktop / rackmount
SWITCH FUNCTIONALITY		Basic Layer 3	Basic Layer 3	Basic Layer 3	Basic Layer 3	Basic Layer 3	Basic Layer 3
PORTS AND MEDIA SUPPORT	10/100/1000T	8	16	24	16 (17) 24 (26)		48
	100/1000X SFP ports	2	2	4	1 (17) 2 (26)	28	4
	1G/10G SFP+ ports						
POWER SUPPLY	PSU type	Single fixed internal	Single fixed internal	Single fixed internal	Single fixed internal	Single fixed internal	Single fixed internal
	Additional PSU						
POWER OVER ETHERNET	IEEE 802.3af (PoE)	■ (GP)	■ (GP)	■ (GP)			■ (GP)
	IEEE 802.3at (PoE+)	■ (GP)	■ (GP)	■ (GP)			■ (GP)
	PoE+ enabled ports	8 (GP)	16 (GP)	24 (GP)			48 (GP)
	Max PoE+ power	124W (GP)	247W (GP)	370W (GP)			740W (GP)
	Max full power ports (30W)	4 (GP)	8 (GP)	12 (GP)			24 (GP)
	Continuous PoE						■ (GP)
SCALABILITY	MAC address table size	16K	16K	16K	16K	16K	16K
	Stacking (VCStack)						
	Long-distance VCStack						
	Stacking bandwidth						
ENVIRONMENTAL	Cooling	Fanless (GT), Fan (GP)	Fan	Fan	Fanless	Fan	Fan
	Temperature range	0°C to 50°C	0°C to 50°C	0°C to 50°C	0°C to 40°C	0°C to 50°C	0°C to 50°C
MANAGEMENT	Web GUI	■	■	■	■	■	■
	CLI / Telnet / SNMP	■	■	■	■	■	■
	IPv6 management	■	■	■	■	■	■
	DHCPv4 / v6 server						
	AMF Member	■	■	■	■	■	■
NETWORK RESILIENCE	Spanning Tree	■	■	■	■	■	■
	Link aggregation (LACP)	■	■	■	■	■	■
	EPSRing	■	■	■	■	■	■
	VRRPv3						
QoS	IEEE 802.1p priority queues	8	8	8	8	8	8
SECURITY	IEEE 802.1Q VLANs	4K	4K	4K	4K	4K	4K
	RADIUS / TACACS+	■	■	■	■	■	■
	SSH / SSL	■	■	■	■	■	■
	IEEE 802.1x	■	■	■	■	■	■
	DoS protection	■	■	■	■	■	■
	DHCP snooping	■	■	■	■	■	■
ROUTING	Static routes v4 / v6	■ (v4 only)	■ (v4 only)	■ (v4 only)	■ (v4 only)	■ (v4 only)	■ (v4 only)
	RIP / RIPng	■ (RIP only)	■ (RIP only)	■ (RIP only)	■ (RIP only)	■ (RIP only)	■ (RIP only)
	OSPFv2 / v3						
MULTICASTING	IGMPv1 / v2 / v3	■ (snooping)	■ (snooping)	■ (snooping)	■ (snooping)	■ (snooping)	■ (snooping)
	MLDv1 / v2	■ (snooping)	■ (snooping)	■ (snooping)	■ (snooping)	■ (snooping)	■ (snooping)
	PIMv4 / PIMv6						
	PIM-SSM / PIM-SSMv6						
SDN	OpenFlow	■	■	■	■		

Intelligent SMB

GS980MX Series

The CentreCOM GS980MX Series feature high-capacity, resiliency and easy management. Power over Ethernet (PoE+) models with Multi-Gigabit support make them an ideal solution for high-speed connectivity at the network edge. With 24 or 48 Gigabit ports and 10 Gigabit uplinks, plus the ability to stack multiple units, the GS980MX Series enable flexible deployment.

XS900MX Series

The XS900MX Series are the ideal 10G access switches for enterprise networks or anywhere a relay switch with 10G uplink is required. The switches also make the ideal core or aggregation switch, to connect servers and storage in a small network. Available with a mix of copper and fiber 10G connectivity options, the XS900MX Series enable a highly flexible and reliable network, which can easily scale to meet increasing traffic demands.

SFP/SFP+ Optics

Learn more about Allied Telesis pluggable optics on page 40-43.

FEATURES		XS916MXS XS916MXT	GS980MX/28 GS980MX/28PSm COMING SOON	GS980MX/52 GS980MX/52PSm COMING SOON	GS980EM/10H	GS980EM/11PT
SWITCH FUNCTIONALITY		Basic Layer 3	Basic Layer 3	Basic Layer 3	Basic Layer 3	Basic Layer 3
PORTS AND MEDIA SUPPORT	10/100TX					
	10/100/1000T		24 (4 x 100M/1/2.5/5G (PSm))	48 (8 x 100M/1/2.5/5G (PSm))	8	9
	100/1000X SFP ports		2 combo	2 combo	2	2
	100M/1G/10G RJ-45	12 (MXT) 4 (MXS)				
	1G/10G SFP/SFP+	4 (MXT) 12 (MXS)	4	4		
POWER SUPPLY	PSU type	Single fixed internal	Single fixed internal	Single fixed internal	External	External or PoE
POWER OVER ETHERNET	IEEE 802.3af (PoE)		■ (PSm)	■ (PSm)	■	■ (pass-through)
	IEEE 802.3at (PoE+)		■ (PSm)	■ (PSm)	■	■ (pass-through)
	PoE+ enabled ports		24 (PSm)	48 (PSm)	8	8
	Max PoE+ power		370W (PSm)	370W (PSm)	720W	46W
	Max full power ports (30W)		12 (PSm)	12 (PSm)	8 (90 Watts / port)	1
	Continuous PoE		■ (PSm)	■ (PSm)		
SCALABILITY	MAC address table size	16K	16K	16K	16K	16K
	Stacking (VCStack)	■ (2)	■ (4)	■ (4)		
	Stacking bandwidth	40G	40G	40G		
ENVIRONMENTAL	Cooling	Fan	Fan	Fan	Fanless	Fanless
	Temperature range	0°C to 50°C	0°C to 50°C	0°C to 50°C	0°C to 50°C	0°C to 50°C
MANAGEMENT	Web GUI	■	■	■	■	■
	CLI / Telnet / SNMP	■	■	■	■	■
	IPv6 management	■	■	■	■	■
	AMF Member	Edge node	Edge node	Edge node	■	■
NETWORK RESILIENCE	Spanning Tree	■	■	■	■	■
	Link aggregation (LACP)	■	■	■	■	■
	EPSRing	■	■	■	■	■
QoS	IEEE 802.1p priority queues	8	8	8	8	8
SECURITY	IEEE 802.1Q VLANs	4K	4K	4K	4K	4K
	RADIUS / TACACS+	■	■	■	■	■
	SSH / SSL	■	■	■	■	■
	IEEE 802.1x	■	■	■	■	■
	DHCP snooping	■	■	■	■	■
ROUTING	Static routes v4 / v6	■ (v4 only)	■	■	■ (v4 only)	■ (v4 only)
	RIP / RIPng	■ (RIP only)	■ (RIP only)	■ (RIP only)	■ (RIP only)	■ (RIP only)
MULTICASTING	IGMPv1 / v2 / v3	■ (snooping)	■ (snooping)	■ (snooping)	■	■
	MLDv1 / v2	■ (snooping)	■ (snooping)	■ (snooping)	■	■

GS980EM Series

The GS980EM Series of Gigabit Layer 3 Lite pass-through switches are flexible Power over Ethernet switches with capabilities that support IoT device connectivity in today's converged business environments.

GS980M Series

The GS980M Series of Layer 3 Gigabit switches enable a cost-effective and fully managed network. PoE+ connects and powers end points at the network edge.

GS970M Series

Allied Telesis CentreCOM GS970M Series switches provide an excellent access solution for today's networks, supporting Gigabit to the desktop for maximum performance. The Power over Ethernet Plus (PoE+) models are ideal solution for connecting and remotely powering wireless access points, IP video surveillance cameras, and IP phones.

FS980M Series

The FS980M Series switches provide high-performance Fast Ethernet connectivity right where you need it—at the network edge. Flexible and robust, this series provides total security and management features for enterprises of all sizes. Power over Ethernet (PoE) models enable connecting and powering edge devices in video surveillance and Point of Sale (POS) applications.

FEATURES		XS916MXS XS916MXT	GS980M/52 GS980M/52PS	GS970M/10 GS970M/18 GS970M/28	GS970M/10PS GS970M/18PS GS970M/28PS	FS980M/9 FS980M/18 FS980M/28 FS980M/52	FS980M/9PS FS980M/18PS FS980M/28PS FS980M/52PS	FS980M/28DP
SWITCH FUNCTIONALITY		Basic Layer 3	Basic Layer 3	Basic Layer 3	Basic Layer 3	Basic Layer 3	Basic Layer 3	Basic Layer 3
PORTS AND MEDIA SUPPORT	10/100TX					8 (9), 16 (18), 24 (28), 48 (52)	8 (9), 16 (18), 24 (28), 48 (52)	24
	10/100/1000T		48	8 (10), 16 (18), 24 (28)	8 (10), 16 (18), 24 (28)	1 combo (9) 2 combo (18)	1 combo (9) 2 combo (18)	
	100/1000X SFP ports		4	2 (10 & 18), 4 (28)	2 (10 & 18), 4 (28)	1 combo (9), 2 combo (18) 4 (28 & 52)	1 combo (9), 2 combo (18) 4 (28 & 52)	4
	100M/1G/10G RJ-45	12 (MXT) 4 (MXS)						
	1G/10G SFP/SFP+	4 (MXT) 12 (MXS)						
POWER SUPPLY	PSU type	Single fixed internal	Single fixed internal	Single fixed internal	Single fixed internal	Single fixed internal	Single fixed internal	Dual fixed internal
POWER OVER ETHERNET	IEEE 802.3af (PoE)		■ (PS)		■		■	■
	IEEE 802.3at (PoE+)		■ (PS)		■		■	■
	PoE+ enabled ports		48 (PS)		8 (10), 16 (18), 24 (28)		8 (9), 16 (18), 24 (28), 48 (52)	24
	Max PoE+ power		740W (PS)		124W (10), 247W (18), 370W (28)		150W (9), 250W (18) 375W (28 & 52)	375W
	Max full power ports (30W)		24 (PS)		4 (10), 8 (18), 12 (28)		4 (9), 8 (18), 12 (28 & 52)	12
	Continuous PoE		■ (PS)					
SCALABILITY	MAC address table size	16K	16K	16K	16K	16K	16K	16K
	Stacking (VCStack)	■ (2)				■ (4 units) * (28 & 52)	■ (4 units) * (28 & 52)	■ (4)
	Stacking bandwidth	40G				4G (2 x SFP) (28 & 52)	4G (2 x SFP) (28 & 52)	4G
ENVIRONMENTAL	Cooling	Fan	Fan	Fanless (10) Fan (18 & 28)	Fan	Fanless (9, 18 & 28) Fan (52)	Fan	Fan
	Temperature range	0°C to 50°C	0°C to 50°C	0°C to 50°C	0°C to 50°C	0°C to 50°C	0°C to 50°C	0°C to 50°C
MANAGEMENT	Web GUI	■	■	■	■	■	■	■
	CLI / Telnet / SNMP	■	■	■	■	■	■	■
	IPv6 management	■	■	■	■	■	■	■
	AMF Member	Edge node	Edge node	Edge node	Edge node	Edge node	Edge node	Edge node
NETWORK RESILIENCE	Spanning Tree	■	■	■	■	■	■	■
	Link aggregation (LACP)	■	■	■	■	■	■	■
	EPSRing	■	■	■	■	■	■	■
QoS	IEEE 802.1p priority queues	8	8	8	8	8	8	8
SECURITY	IEEE 802.1Q VLANs	4K	4K	4K	4K	4K	4K	4K
	RADIUS / TACACS+	■	■	■	■	■	■	■
	SSH / SSL	■	■	■	■	■	■	■
	IEEE 802.1x	■	■	■	■	■	■	■
	DHCP snooping	■	■	■	■	■	■	■
ROUTING	Static routes v4 / v6	■ (v4 only)	■	■ (v4 only)	■ (v4 only)	■ (v4 only)	■ (v4 only)	■ (v4 only)
	RIP / RIPng	■ (RIP only)	■ (RIP only)	■ (RIP only)	■ (RIP only)	■ (RIP only)	■ (RIP only)	■ (RIP only)
MULTICASTING	IGMPv1 / v2 / v3	■ (snooping)	■ (snooping)	■ (snooping)	■ (snooping)	■ (snooping)	■ (snooping)	■ (snooping)
	MLDv1 / v2	■ (snooping)	■ (snooping)	■ (snooping)	■ (snooping)	■ (snooping)	■ (snooping)	■ (snooping)

* 4 units stacking is supported in 5.4.7 or later

WebSmart and Unmanaged SMB

GS950 Series

The Allied Telesis GS950 Series of PoE+ power Gigabit WebSmart switches deliver up to 30 Watts per port to support video surveillance and security cameras, wireless access points, IP phones, and other PoE-powered devices. The GS950 Series also features IPv6 management and TACACS+ to add an extra layer of security.

GS920 Series

The Allied Telesis GS920 Series offers secure Gigabit switching solutions for the desktop and small networks. Front-panel DIP switches provide configuration of commonly used features – network device management made easy.

GS910 Series

The Allied Telesis GS910 Series offers unmanaged Gigabit switching. The GS910 Series delivers the Gigabit performance demanded by today's high-bandwidth applications, such as video, graphics and industrial design. Compact design and silent operation enable deployment in work areas.

		GIGABIT ETHERNET			
FEATURES		**GS950/8 GS950/16 GS950/24 GS950/48**	**GS950/10PS GS950/16PS GS950/28PS GS950/48PS**	**GS920/8 GS920/16 GS920/24**	**GS920/8PS**
PORTS AND MEDIA SUPPORT	10/100TX				
	10/100/1000T	6+2 (8), 14+2 (16) 20+4 (24), 44+4 (48)	8+2 (10), 14+2 (16), 24 (28), 44+4 (48)	8 (8), 16 (16), 24 (24)	8
	SFP	2 combo (8 & 16) 4 combo (24 & 48)	2 combo (10 & 16) 4 (28), 4 combo (48)		
	100FX SFP support	■	■		
POWER SUPPLY		Internal	Internal	Internal	Internal
POWER OVER ETHERNET	Power over Ethernet (PoE)		■		■
	PoE enabled ports		8 (10), 16 (16), 24 (28 & 48)		8
	IEEE 802.3af (PoE)		■		■
	IEEE 802.3at (PoE+)		■		■
	Max PoE power		75W (10), 185W (16 & 28), 370W (48)		62W
	Max PoE+ enabled ports		2 (10), 6 (16), 4 (28), 12 (48)		2
SCALABILITY	MAC address table size	8K	8K	4K (8), 8K (16 & 24)	4K
ENVIRONMENTAL	Cooling	Fanless Fan (48)	Fanless (10) Fan	Fanless	Fanless
	Eco-friendly	■	■	■	■
	Temperature range	0°C to 40°C	0°C to 40°C	0°C to 50°C	0°C to 50°C
MANAGEMENT	Web	■	■		
	SNMPv1 / v2	■ v3	■ v3		
NETWORK RESILIENCE	Spanning Tree	■	■		
	Rapid Spanning Tree	■	■		
	Link aggregation (LACP)	■ (48)	■		
	IGMP snooping (v1 / v2)	■	■		
	Port setting (speed, availability, flow control)	■	■		
QoS	IEEE 802.1p priority queues	4	4		
SECURITY	IEEE 802.1Q VLANs	256	256		
	IEEE 802.1x	■	■		
	RADIUS / DHCP client	■	■		
OTHER	Jumbo frames (9K)	■	■	■	■
	Port mirroring	■	■		
	MAC filtering / ingress / egress rate limiting / broadcast storm control	■	■		
	EAP / BPDU pass-through			■	■

FS750 Series

The FS750 Series Fast Ethernet WebSmart switches offer the simplicity of unmanaged switches with the performance and reliability of managed switches, providing an ideal solution for integrating management at the edge of the network. Minimizing power consumption through high efficiency power supplies and low power chipsets, the FS750 Series at the network edge are the ideal cost-effective solution for small businesses.

FS710 Series

The Allied Telesis CentreCOM FS710 Series is the ideal economical and eco-friendly solution for today's networks, providing an extensive range of cost-effective options. The FS710 Series switches provide easy set-up, with silent operation and simple connectivity for desktop and small to medium network environments.

FS700 Series

The FS700 Series is easy to set-up with simple connectivity for small to medium-sized networks—with an extensive range of cost-effective options.

		GIGABIT ETHERNET		FAST ETHERNET			
FEATURES		**GS910/5 GS910/8 GS910/16 GS910/24**	**GS910/5E GS910/8E**	**FS750/20 FS750/28**	**FS750/28PS**	**FS710/5 FS710/8 FS710/16 FS710/24**	**FS710/5E FS710/8E FS710/16E**
PORTS AND MEDIA SUPPORT	10/100TX			16 (20), 24 (28)	24	5 (5), 8 (8), 16 (16), 24 (24)	5 (5), 8 (8), 16 (16)
	10/100/1000T	5 (5), 8 (8), 16 (16), 24 (24)	5 (5), 8 (8)	2+2 (combo)	2+2 (combo)		
	SFP			2 combo	2 combo		
	100FX SFP support			■	■		
POWER SUPPLY		Internal	External (high efficiency)	Internal	Internal	Internal	External
POWER OVER ETHERNET	Power over Ethernet (PoE)				■		
	PoE enabled ports				24		
	IEEE 802.3af (PoE)				■		
	IEEE 802.3at (PoE+)				■		
	Max PoE power				193W		
	Max PoE+ enabled ports				4 (port 1-4)		
SCALABILITY	MAC address table size	2K (5), 4K (8), 8K (16 & 24)	2K (5), 4K (8)	8K	8K	2K (5 & 8), 8K (16 & 24)	2K (5 & 8), 8K (16)
ENVIRONMENTAL	Cooling	Fanless	Fanless	Fanless	Fan	Fanless	Fanless
	Eco-friendly	■	■	■	■	■	■
	Temperature range	0°C to 50°C	0°C to 50°C	0°C to 40°C	0°C to 40°C	0°C to 50°C	0°C to 50°C
MANAGEMENT	Web			■	■		
	SNMPv1 / v2			■	■		
NETWORK RESILIENCE	Spanning Tree			■	■		
	Rapid Spanning Tree			■	■		
	Link aggregation (LACP)			■	■		
	IGMP snooping (v1 / v2)			■	■		
	Port setting (speed, availability, flow control)			■	■		
QoS	IEEE 802.1p priority queues			4	4		
SECURITY	IEEE 802.1Q VLANs			256	256		
	IEEE 802.1x			■	■		
	RADIUS / DHCP client			■	■		
OTHER	Jumbo frames (9K)	■	■	■	■	■	■
	Port mirroring			■	■		
	MAC filtering / ingress / egress rate limiting / broadcast storm control			■	■		
	EAP / BPDU pass-through	■	■			■	■

Industrial

Our ruggedized Industrial Ethernet switches are built for enduring performance in harsh environments, such as those found in manufacturing, transportation and physical security. Offering high throughput, rich functionality and advanced security features.

IE Series

The Allied Telesis IE Series is built for performance in harsh environments, and deliver the performance and reliability demanded by industrial deployments. They run AlliedWare Plus Operating System to provides the switch with high performing functionality.

FEATURES		IE510-28GSX	IE340L-18GP	IE340-12GP IE340-12GT IE340-20GP	IE210L-10GP IE210L-18GP	IE200-6FP IE200-6FT IE200-6GP IE200-6GT
FORM FACTOR		Desktop / rackmount	DIN rail / wallmount	DIN rail / wallmount	Desktop / rackmount	DIN rail / wallmount
SWITCH FUNCTIONALITY		Basic Layer 3, upgradeable	Basic Layer 3, upgradeable	Basic Layer 3, upgradeable	Basic Layer 2, upgradeable	Basic Layer 2, upgradeable
PORTS AND MEDIA SUPPORT	10/100TX					4 (6FP & 6FT)
	10/100/1000T		16	8 (12GP & 12GT) 16 (20GP)	8 (10GP) 16 (18GP)	4 (6GP & 6GT)
	100FX					
	100/1000X SFP	24	2 (1000X)	4	2	2
	1G/10G SFP+	4 (2 if stacked)				
POWER SUPPLY	Input voltage	DC	DC	DC	AC, fixed internal	DC
	Redundant power input	■	■	■		■
POWER OVER ETHERNET	IEEE 802.3af (PoE)		■	■ (GP)	■	■ (FP & GP)
	IEEE 802.3at (PoE+)		■	■ (GP)	■	■ (FP & GP)
	Power budget		240W	240W (GP)	124W (10) 247W (18)	120W (FP & GP)
	Enabled ports		16	8 (12GP) 16 (20GP)	8 (10) 16 (18)	4 (FP & GP)
	Max port count @15W (PoE)		16	8 (12GP) 16 (20GP)	8 (10) 16 (18)	4 (FP & GP)
	Max port count @30W (PoE+)		8	8 (GP)	4 (10) 8 (18)	4 (FP & GP)
	Continuous PoE		■	■ (GP)		■ (FP & GP)
SCALABILITY	MAC address table size	16K	16K	16K	16K	2K
	Stacking (VCStack)	■ (4)				
	Long-distance VCStack	■ (4)				
	Stacking bandwidth	40G (2 x SFP+)				
ENVIRONMENTAL	Cooling	Fan	Fanless	Fanless	Fan	Fanless
	Temperature range	-40°C to 75°C	-40°C to 65°C	-40°C to 75°C	0°C to 65°C	-40°C to 75°C
MANAGEMENT	Web GUI	■	■	■	■	■
	CLI / Telnet / SNMP	■	■	■	■	■
	IPv6 management	■	■	■	■	■
	DHCPv4/v6 server	■	■	■	■	
	AMF Member	■	■	■	■	■
NETWORK RESILIENCE	Spanning Tree	■	■	■	■	■
	Link aggregation (LACP)	■	■	■	■	■
	EPSRing	■	■	■	■	■
	ITU-T G.8032 with Ethernet CFM	■	■	■	■	
	VRRPv3	■	■	■		
	MRP (Media Redundancy Protocol)	■	■	■		
QoS	IEEE 802.1p priority queues	8	8	8	8	8
SECURITY	IEEE 802.1Q VLANs	4K	4K	4K	2K	2K
	RADIUS / TACACS+	■	■	■	■	■
	SSH / SSL	■	■	■	■	■
	IEEE 802.1x	■	■	■	■	■
	DoS protection	■	■	■	■	■
	DHCP snooping	■	■	■	■	■
ROUTING	Static routes v4 / v6	■	■	■		
	RIP / RIPng	■	■	■		
	OSPFv2 / v3	■	■	■		
	Policy-based routing	■				
	BGP		■	■		
MULTICASTING	IGMPv1 / v2 / v3	■	■	■	■	■
	MLDv1 / v2	■	■	■	■	■
	PIMv4 / PIMv6	■	■	■		
	PIM-SSM / PIM-SSMv6	■	■	■		

IS Series

The Allied Telesis IS Series is engineered for its easy deployment and reliable operation and has the features, performance and operating characteristics for deployment in harsh environments.

IA810M

The Allied Telesis CentreCOM IA810M switches are a cost-effective solution for industrial environments. They provide enduring performance in harsh environments, such as those found in manufacturing, transportation and physical security.

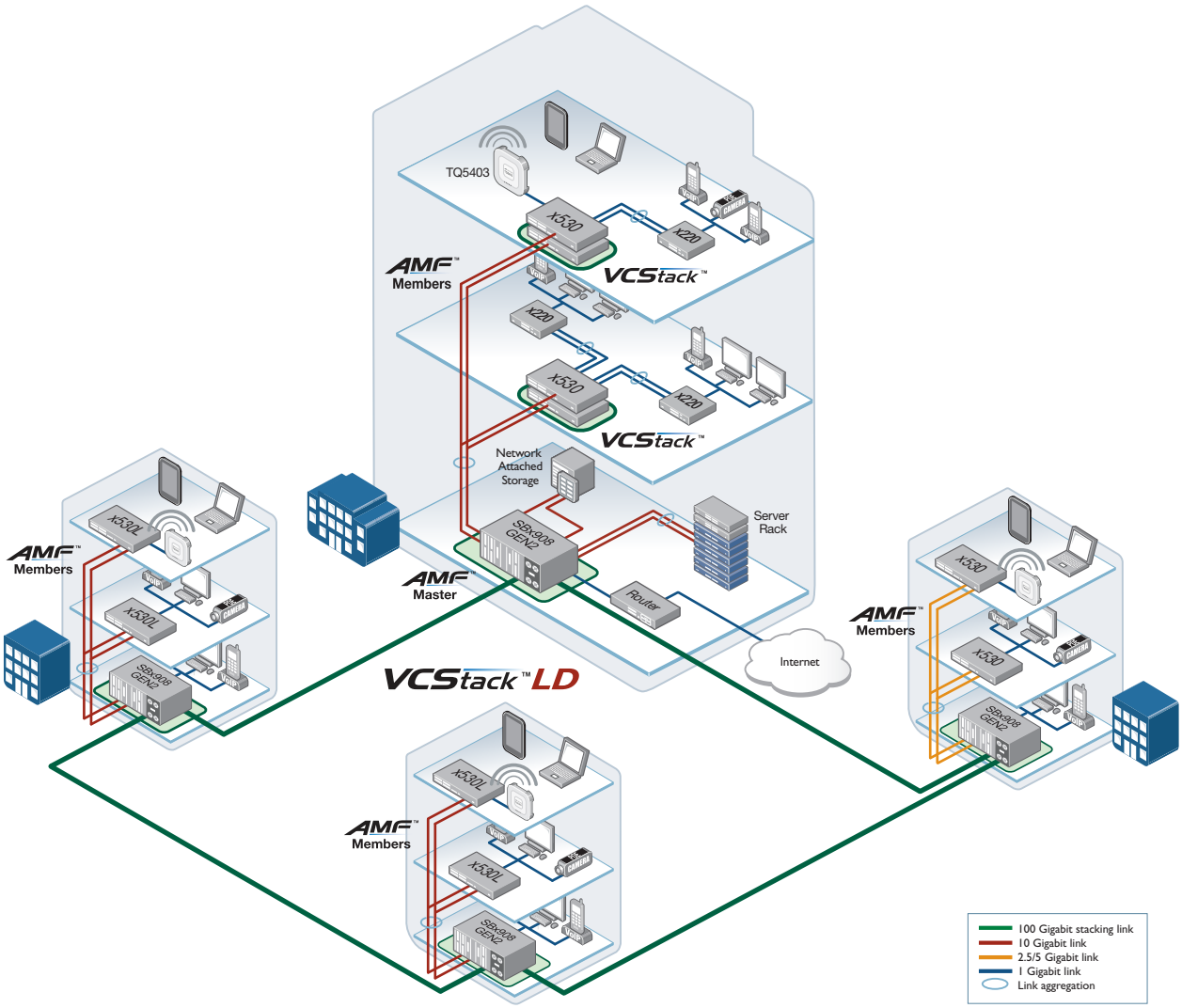
FEATURES		IS230-10GP	IS130-6GP	IA810M
FORM FACTOR		DIN rail / wallmount	DIN rail / wallmount	DIN rail/wallmount
SWITCH FUNCTIONALITY		Layer 2	Layer 2, unmanaged	Layer 2
PORTS AND MEDIA SUPPORT	10/100TX			8
	10/100/1000T	8 + 2 combo	5	
	100FX			2 (LC)
	100/1000X SFP	2 combo	1	
	1G/10G SFP+			
POWER SUPPLY	Input voltage	DC	DC	DC
	Redundant power input	■	■	
POWER OVER ETHERNET	IEEE 802.3af (PoE)	■	■	
	IEEE 802.3at (PoE+)	■	■	
	Power budget	120W	90W	
	Enabled ports	8	4	
	Max port count @15W (PoE)	8	4	
	Max port count @30W (PoE+)	4	3	
	Continuous PoE			
SCALABILITY	MAC address table size	8K	2K	8K
	Stacking (VCStack)			
	Long-distance VCStack			
	Stacking bandwidth			
ENVIRONMENTAL	Cooling	Fanless	Fanless	Fanless
	Temperature range	-40°C to 75°C	-40°C to 75°C	0°C to 60°C
MANAGEMENT	Web GUI	■		■
	CLI / Telnet / SNMP	■		■
	IPv6 management			
	DHCPv4/v6 server	■ (v4 only)		
	AMF Member			
NETWORK RESILIENCE	Spanning Tree	■		■
	Link aggregation (LACP)	■		■ (static)
	EPSRing	■ (aware)		■ (aware)
	ITU-T G.8032 with Ethernet CFM	■ (future)		
	VRRPv3			
	MRP (Media Redundancy Protocol)			
QoS	IEEE 802.1p priority queues	8		8
SECURITY	IEEE 802.1Q VLANs	256		256
	RADIUS / TACACS+	■ (RADIUS only)		
	SSH / SSL	■		
	IEEE 802.1x	■		
	DoS protection	■		
	DHCP snooping			
ROUTING	Static routes v4 / v6			
	RIP / RIPng			
	OSPFv2 / v3			
	Policy-based routing			
	BGP			
MULTICASTING	IGMPv1 / v2 / v3	■ (snooping)		■ (snooping)
	MLDv1 / v2	■ (snooping)		
	PIMv4 / PIMv6			
	PIM-SSM / PIM-SSMv6			

SFP/SFP+ Optics

Learn more about Allied Telesis pluggable optics on pages 40-43.

Distributed Network Core

KEY SOLUTION



Today's large enterprises demand ready access to online resources and applications, and require a high-performing network that can seamlessly carry multiple converged services. This campus solution uses the SwitchBlade x908 GEN2 and long-distance Virtual Chassis Stacking (VCStack LD)—ideal for a distributed network core that provides high availability, increased capacity and ease of management.

Using VCStack at the core of the network allows multiple switches to appear as a single virtual chassis, simplifying management. In normal operation, the full bandwidth of the network is used, ensuring always-available online services. Seamless wireless access, and the convergence of business data, voice, and video surveillance traffic on the network, are easily supported with this powerful solution.

AMF allows the entire network to be unified for ease of management. The SwitchBlade x908 GEN2 acts as the AMF Master, automatically backing up the entire network, and enabling plug-and-play networking with zero-touch expansion and recovery.

The SwitchBlade x908 GEN2 delivers a protocol-less and Active/Active campus backbone solution, with high performance and flexible scalability.

Security Appliances

Protection, security, and traffic optimization across your entire WAN.

The comprehensive, high-performance Allied Telesis AR Series features UTM firewalls and conventional secure VPN routers. Both product types offer functions such as advanced routing, QoS, IPv6, and advanced security, which includes firewall and VPN services. Software-Defined WAN (SD-WAN) reduces the cost and complexity of inter-branch connectivity, with traffic load-balancing and automated optimization of preferred applications.

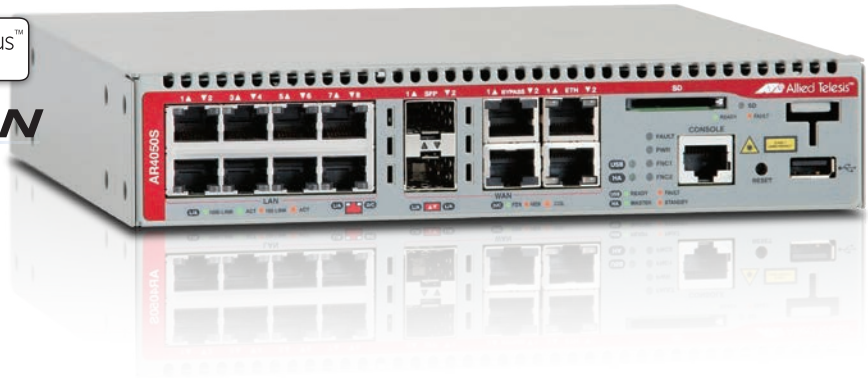
Our UTM (Unified Threat Management) firewalls are an ideal integrated security platform for today's networks, with an application-aware firewall, threat protection and secure remote access combined with routing and switching.

AR Series products are able to deliver the breadth of functionality that small- and medium-sized businesses require at a price point they can afford, and with a proven reliability that makes Allied Telesis a trusted networking partner.

AMF™

AlliedWare Plus™ OPERATING SYSTEM

SD-WAN



Firewalls and Routers

AR1050V

The Allied Telesis AR1050V Secure Virtual Private Network (VPN) router is the ideal secure gateway for modern businesses. Integrated firewall and VPN functionality is combined with routing and switching, providing an innovative solution that is easy to use and very secure.

COMING SOON

		UTM FIREWALLS			VPN ROUTERS		
FEATURES		**AR4050S-5G**	**AR4050S**	**AR3050S**	**AR2050V**	**AR2010V**	**AR1050V**
FORM FACTOR		Desktop / rackmount	Desktop / rackmount	Desktop / rackmount	Desktop / rackmount	Desktop / DIN rail	Desktop / rackmount
WAN PORTS	10/100/1000T		2 combo	2 combo	1	1	1
	100/1000X (SFP)		2 combo	2 combo			
	WAN bypass		2	2	1	1	
	4G / 5G mobile (via SIM card)	Dual SIM card slots					
LAN PORTS	10/100/1000T	8	8	8	4	1	4
MEDIA SUPPORT	USB port	1	1	1	1	1	1
	SDHC slot		1	1			
POWER SUPPLY		Fixed internal	Fixed internal	Fixed internal	Fixed internal	AC adapter or DC inlet	Fixed internal
ENVIRONMENTAL	Temperature range	0°C to 50°C	0°C to 50°C	0°C to 50°C	0°C to 45°C	0°C to 50°C	0°C to 40°C
	Cooling	Speed-controlled fan	Speed-controlled fan	Speed-controlled fan	Fanless	Fanless	Fanless
PERFORMANCE	CPU	Quad-core 1.5GHz	Quad-core 1.5GHz	Dual-core 800MHz	Dual-core 800MHz	Dual-core 800MHz	Single-core 1GHz
	RAM	2 GB	2 GB	1 GB	512 MB	512 MB	512 MB
	Throughput	See table below	See table below	See table below	See table below	See table below	See table below
MANAGEMENT	Console port	RJ-45	RJ-45	RJ-45	RJ-45	RJ-45	RJ-45
	Web-based GUI	■	■	■	■	■	■
	CLI	■	■	■	■	■	■
	SNMP	■	■	■	■	■	■
	Telnet / SSH	■	■	■	■	■	■
	AMF	■ (Master support)	■ (Master support)	■	■	■	■
	AWC wireless device management	■	■	■	■	■	
NETWORK RESILIENCE	VRRP and VRRPv3	■	■	■	■	■	
	Spanning Tree	■	■	■	■	■	
THREAT PROTECTION	Anti-virus	■	■				
	Anti-malware	■	■	■			
	IDS / IPS	■	■	■	■	■	■
	IP reputation	■	■	■			
	Automatic threat updates	■	■	■			
SECURITY	IEEE 802.1Q VLANs	■	■	■	■	■	■
	RADIUS / TACACS+	■	■	■	■	■	
QoS		■	■	■	■	■	
FIREWALL	Firewall	■	■	■	■	■	■
	Application control	■	■	■			
	URL filter (URL black list / white list)	■	■	■	■	■	■
	Web content control and IP reputation	■	■	■			
	Traffic shaping	■	■	■	■	■	
	DMZ	■	■	■	■	■	
	Port forwarding	■	■	■	■	■	■
	Dynamic NAPT	■	■	■	■	■	■
TUNNELLING	IPsec VPN tunnels	■	■	■	■	■	■
	SSL / TLS VPN tunnels	■	■	■	■	■	
	L2TPv3	■	■	■	■	■	
	GRE	■	■	■	■	■	
ROUTING	Static routing	■	■	■	■	■	■
	RIP / RIPng	■	■	■	■	■	
	OSPFv2 / OSPFv3	■	■	■	■	■	
	BGP4 / BGP4+	■	■	■	■	■	
	IGMP	■	■	■	■	■	
	PIMv4 / PIMv6	■	■	■	■	■	
	Bridging (LAN / WAN)	■	■	■	■	■	■
	PPPoE	■	■	■	■	■	■
	DHCPv4/v6 client, server, relay	■	■	■	■	■	■
PERFORMANCE		**AR4050S-5G**	**AR4050S**	**AR3050S**	**AR2050V**	**AR2010V**	**AR1050V**
FIREWALL THROUGHPUT (RAW)		1.9Gbps	1.9Gbps	750Mbps	750Mbps	750Mbps	480Mbps
FIREWALL THROUGHPUT (APP CONTROL)		1.8Gbps	1.8Gbps	700Mbps			
CONCURRENT SESSIONS		300,000	300,000	100,000	100,000	100,000	100,000
NEW SESSIONS PER SECOND		12,000	12,000	3,600	3,600	3,600	3,600
IPS THROUGHPUT		750Mbps	750Mbps	220Mbps	200Mbps	200Mbps	135Mbps
IP REPUTATION THROUGHPUT		1Gbps	1Gbps	350Mbps			
MALWARE PROTECTION THROUGHPUT		1.3Gbps	1.3Gbps	300Mbps			
VPN THROUGHPUT		1Gbps	1Gbps	400Mbps	400Mbps	400Mbps	180Mbps

Wireless

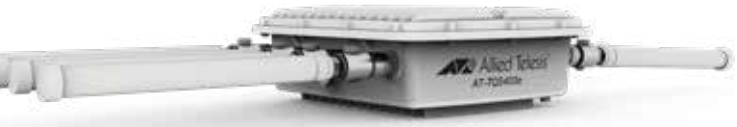
Support the growing demands of your network with our innovative, high performance wireless solutions.

The broad portfolio of Allied Telesis wireless products provides customers with high performance and low operating costs. Optimized for deployment across most environments, Allied Telesis wireless solutions are ideal for every application — from offices to classrooms, from distributed retail stores to large hospitals and campuses, and from warehouses to convention centers and sports arenas/stadiums. Advanced software features and a broad range of accessories meet the demands of SOHO to enterprise-class networks.

Wireless Access Points

TQ Series

Allied Telesis TQ Series enterprise class wireless access points support the latest IEEE 802.11ac standards, doubling the raw wireless capacity available with an IEEE 802.11n access point. With flexible deployment modes: standalone, AP-cluster, or controlled by the AWC WLAN controller, TQ Series access points are suitable for a wide variety of environments — from small offices to large campuses.



TQ5403

The innovative Channel Blanket hybrid mode of the TQ5403 enables optimized wireless networking for all environments. By allowing simultaneous multi-channel and single-channel WLAN connectivity from the same access point, network administrators can combine the performance attributes of the two architectures to best suit their specific deployment requirements.

		ENTERPRISE CLASS			
FEATURES		**TQ6602**	**TQ5403e**	**TQ5403**	**TQ1402**
FORM FACTOR		Desktop / wallmount / ceiling mount	Pole / wallmount	Desktop / wallmount / ceiling mount	Desktop / wallmount / ceiling mount
PORTS AND MEDIA SUPPORT	Ethernet	1 x 100M / 1G / 2.5G / 5G	1 × 10/100/1000T	2 × 10/100/1000T (1 x PoE - in port)	1 × 10/100/1000T
	Wireless radio 1 (2.4GHz)	Wi-Fi 6 @ 1150Mbps (4x4:4 MU-MIMO)	Wi-Fi 4 @ 300Mbps (2x2:2 MIMO)	Wi-Fi 4 @ 300Mbps (2x2:2 MIMO)	Wi-Fi 4 @ 300Mbps (2x2:2 MIMO)
	Wireless radio 2 (5GHz)	Wi-Fi 6 @ 2400Mbps (4x4:4 MU-MIMO)	Wi-Fi 5 Wave 2 @ 867Mbps (2x2:2 MU-MIMO)	Wi-Fi 5 Wave 2 @ 867Mbps (2x2:2 MU-MIMO)	Wi-Fi 5 Wave 2 @ 867Mbps (2x2:2 MU-MIMO)
	Wireless radio 3 (5GHz)		Wi-Fi 5 Wave 2 @ 867Mbps (2x2:2 MU-MIMO)	Wi-Fi 5 Wave 2 @ 867Mbps (2x2:2 MU-MIMO)	
POWER SUPPLY		IEEE 802.3at PoE (PD) / AC adapter	IEEE 802.3at PoE (PD)	IEEE 802.3at PoE (PD) / AC adapter	IEEE 802.3at PoE (PD) / AC adapter
ENVIRONMENTAL	Indoor / outdoor usage	Indoor	Outdoor	Indoor	Indoor
	Temperature range	PoE: 0°C to 50°C AC adapter: 0°C to 45°C	-40°C to 65°C	PoE: 0°C to 50°C AC adapter: 0°C to 45°C	PoE: 0°C to 50°C AC adapter: 0°C to 45°C
MANAGEMENT	Operations management	Standalone / controlled mode	Standalone / controlled mode	Standalone / controlled mode	Standalone / controlled mode
	Web-based GUI	HTTP, HTTPS	HTTP, HTTPS	HTTP, HTTPS	HTTP, HTTPS
	SNMP	v1, v2c	v1, v2c	v1, v2c	v1, v2c
	Vista Manager EX + AWC	■	■	■	■
	Vista Manager Lite + AWC	■	■	■	■
SECURITY	RADIUS / IEEE 802.1x / SSL	■	■	■	■
	Encryption AES	WEP - WPA/WPA2: CCMP (AES), TKIP WPA3: CCMP (AES/CNSA)	WEP - WPA/WPA2: CCMP (AES), TKIP	WEP - WPA/WPA2: CCMP (AES), TKIP	WEP - WPA/WPA2: CCMP (AES), TKIP
	MAC filtering	■	■	■	■
BRIDGING	VLAN	■	■	■	■
WIRELESS	AWC-CB Channel Blanket	■	■	■	■
	AWC-SC Smart Connect	■	■	■	■
	IEEE 802.11e (WMM)	■	■	■	■
	IEEE 802.11i (enhanced security)	■	■	■	■
	Mode: infrastructure	Access point	Access point	Access point	Access point
	Wireless Distribution System (WDS)	■	■	■	■
	Captive portal	■	■	■	■
	Virtual AP	8	8	8	8
	Passpoint Certified	■	■	■	
	VLAN to Virtual AP mapping	■	■	■	■
	Regulatory domain compliance	■	■	■	■
	Rogue AP detection	■ through AWC	■ through AWC	■ through AWC	■ through AWC
	Antenna	4 × 2.4GHz (3.43dBi) / 4 × 5GHz (4.75dBi), embedded antennas	2 × 2.4GHz (5.2dBi) / 4 × 5GHz (6.91dBi), external antennas	2 × 2.4GHz (3.95dBi) / 4 × 5GHz (4.2dBi), embedded antennas	2 × 2.4GHz (1.9dBi) / 4 × 5GHz (3.7dBi), embedded antennas
	Antenna diversity mode	■	■	■	■
	Wi-Fi certified	■	■	■	■
	Cisco mounting bracket adapter	■		■	■
	Fortinet mounting bracket adapter	■		■	■

BRKT-CONV-AP1

Mounting adapter to install TQ Series access points on existing Fortinet and Cisco brackets, to replace a legacy installation without installing a new bracket on the wall or on the ceiling. The adapter can be installed over:

Cisco Bracket:
AIR-AP-BRACKET-1
AIR-AP-BRACKET-2

Fortinet Bracket:
650-00234

TQ6602

The innovative TQ6602 is the world's first Wi-Fi 6 AP to support multichannel, single-channel (Channel Blanket) and hybrid operation (the simultaneous use of multi-channel and Channel Blanket). This powerful solution combines maximum performance and seamless roaming to enable the most flexible wireless networks available, and the best possible user experience.

Wi Fi 6 CERTIFIED

PoE Injector

Feeding protected PoE to any Fast and Gigabit Ethernet equipment without having to replace non-PoE switches.

COMING SOON

FEATURES		6101GP	7101GHTm
FORM FACTOR		Desktop	Desktop
PORTS AND MEDIA SUPPORT	10/100/1000T	1	
	10/100/1000T / 2.5G / 5G Base-T		1
POWER SUPPLY	PSU type	Fixed internal	External
POWER OVER ETHERNET	IEEE 802.3af	■	■
	IEEE 802.3at	■	■
	IEEE 80.3BT		■
	PoE-enabled ports	1	1
	Max number of full power ports	1	1
	Mode	B	■
	PoE power	30W	60W
ENVIRONMENTAL	Cooling	Fanless	Fanless
MANAGEMENT		Unmanaged	Unmanaged

		SMB	
FEATURES		TQm5403	TQm1402
FORM FACTOR		Desktop / wallmount / ceiling mount	Desktop / wallmount / ceiling mount
PORTS AND MEDIA SUPPORT	Ethernet	2 × 10/100/1000T (1 x PoE - in port)	1 × 10/100/1000T
	Wireless radio 1 (2.4GHz)	Wi-Fi 4 @ 300Mbps (2x2:2 MIMO)	Wi-Fi 4 @ 300Mbps (2x2:2 MIMO)
	Wireless radio 2 (5GHz)	Wi-Fi 5 Wave 2 @ 867Mbps (2x2:2 MU-MIMO)	Wi-Fi 5 Wave 2 @ 867Mbps (2x2:2 MU-MIMO)
	Wireless radio 3 (5GHz)	Wi-Fi 5 Wave 2 @ 867Mbps (2x2:2 MU-MIMO)	
POWER SUPPLY		IEEE 802.3at PoE (PD) / AC adapter	IEEE 802.3at PoE (PD) / AC adapter
ENVIRONMENTAL	Indoor / outdoor usage	Indoor	Indoor
	Temperature range	PoE: 0°C to 50°C AC adapter: 0°C to 45°C	PoE: 0°C to 50°C AC adapter: 0°C to 45°C
MANAGEMENT	Operations management	Standalone / controlled mode	Standalone / controlled mode
	Web-based GUI	HTTP, HTTPS	HTTP, HTTPS
	SNMP	v1, v2c	v1, v2c
	Vista Manager EX + AWC	■	■
	Vista Manager Lite + AWC	■	■
SECURITY	RADIUS / IEEE 802.1x / SSL	■	■
	Encryption AES	WEP - WPA/WPA2: CCMP (AES), TKIP	WEP - WPA/WPA2: CCMP (AES), TKIP
	MAC filtering	■	■
BRIDGING	VLAN	■	■
WIRELESS	AWC-CB Channel Blanket		
	AWC-SC Smart Connect	■	■
	IEEE 802.11e (WMM)	■	■
	IEEE 802.11i (enhanced security)	■	■
	Mode: infrastructure	Access point	Access point
	Wireless Distribution System (WDS)	■	■
	Captive portal	■	■
	Virtual AP	8	8
	Passpoint Certified	■	
	VLAN to Virtual AP mapping	■	■
	Regulatory domain compliance	■	■
	Rogue AP detection	■ through AWC	■ through AWC
	Antenna	2 × 2.4GHz (3.95dBi) / 4 × 5GHz (4.2dBi), embedded antennas	2 × 2.4GHz (1.9dBi) / 4 × 5GHz (3.7dBi), embedded antennas
	Antenna diversity mode	■	■
	Wi-Fi certified	■	■
	Cisco mounting bracket adapter	■	■
	Fortinet mounting bracket adapter	■	■

What is Wi-Fi 6?

IEEE 802.11ax Wi-Fi 6 wireless connectivity delivers performance and throughput that is four times faster than IEEE 802.11ac devices. In crowded wireless environments, efficient bandwidth distribution is important. Bi-directional Multi-user MIMO technology simultaneously communicates with multiple clients at once, reducing contention and improving capacity and throughput.

Wi Fi 6 CERTIFIED

PoE MODE
A: Feeding and receiving power on data pairs
B: Feeding and receiving power on spare pairs

PSE
Power Sourcing Equipment feeding power to a Powered Device.

PD
Powered Device receives power from Power Sourcing Equipment.

WMM
Wireless Multimedia is a Wi-Fi Alliance interoperability certification that provides basic Quality of Service (QoS) to applications running over Wi-Fi.

Wireless Controllers

AUTONOMOUS WAVE CONTROL (AWC)

Allied Telesis AWC is an advanced network technology that utilizes Artificial Intelligence (AI) to deliver significant improvements in wireless network connectivity and performance while reducing deployment and operating costs. AWC regularly analyses coverage gaps and Access Point (AP) interference, and automatically optimizes the Wi-Fi network to deliver a high-quality user experience that responds to network configuration changes, and bandwidth demands from wireless devices.

No Compromise Wi-Fi

Commonly used multi-channel wireless APs offer high throughout, but complex deployment and radio interference can reduce overall effectiveness. Single-channel wireless networks provide reliable roaming, but less throughput.

Our world-first hybrid Wi-Fi solution enables multi-channel and single-channel wireless connectivity on the same APs for maximum performance where you need it, and seamless roaming for critical applications. Unified management of the hybrid APs by AWC enables self-optimization of the entire wireless network with no administrator input.

Wireless Controllers

Centrally manage an innovative Allied Telesis wireless solution with the AWC plug-in for Vista Manager EX, our single-pane-of-glass graphical network management tool. Or for smaller networks, AWC-Lite is built right into the Device GUI that runs on a number of our switches, firewalls, and routers.

Enjoy the power of AWC for industry-leading Wi-Fi optimization, automation, and performance.

AWC-CB Channel Blanket

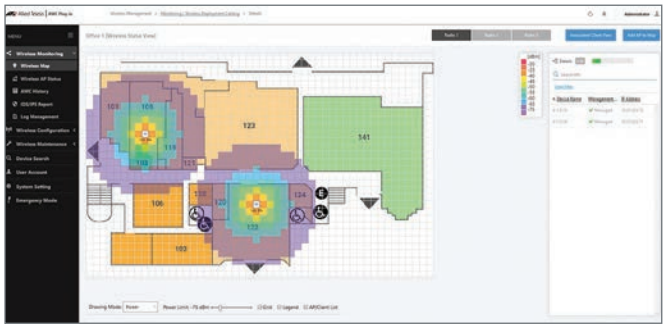
AWC Channel Blanket utilizes the same radio channel for all access points, forcing the wireless controller to manage overlapping and interfering channels. The use of a single channel minimizes the access point placement issues and implements a roaming free network. The clients are always connected to the same virtual access point independently from the physical access point.

AWC-SC Smart Connect

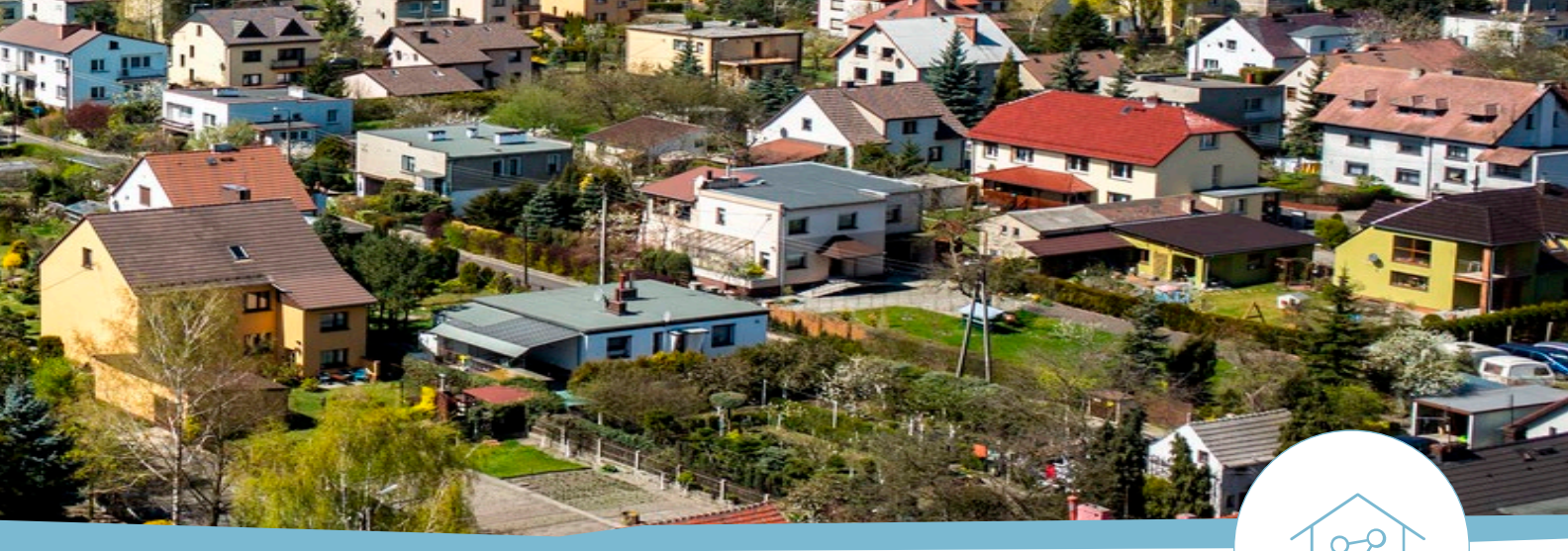
AWC Smart Connect takes wireless automation to another level, with simple plug-and-play deployment requiring only a power connection to grow your wireless network. Our advanced APs communicate with each other wirelessly for optimal throughput back to the wired network.

AWC-SCL Smart Cluster

AWC Smart Cluster provides a controller-less wireless network with up to five Access Points. AWC Smart Cluster uses single-channel technology to minimize the installation effort and avoid the time required for an accurate cell planning. This smart cluster technology is available exclusively on our TQ1402 model.



Visualize AP deployment with wireless floor and heat maps



Multiservice Access

A smarter, feature-rich and flexible approach to delivering subscriber services.

IP is driving new, innovative services and applications. Converged services and real-time communications are changing lifestyles, along with the type of network required to deliver them. Service providers face the challenge of re-architecting the access network to meet today's IP-driven broadband service, such as IP Triple Play, and at the same time try to anticipate the requirements for the "next new service." Selecting the best platform and technology becomes critical to protecting investments and responding competitively to new service needs.

The rapid changes from broadcast to on-demand video and from surfing the Web to content sharing have not only increased demands for bandwidth, but created greater needs to manage converged IP services. If a service provider is to capitalize on the revenue opportunities derived from multimedia services and satisfied consumer needs, an intelligent home gateway approach becomes essential.

intelligent Multiservice Gateway (iMG)

The iMG2426F outdoor gateway supports xDSL and fiber (FTTH) options, all designed with the features, management, and IP functionality needed to deliver the "connected home."

As the name implies, intelligent Multiservice Gateway products are fully featured for delivering multimedia services such as broadcast and streaming IP video, Internet data, analog voice, and VoIP from a single subscriber line to multiple devices in the home.

FEATURES		iMG2426F
ENVIRONMENTAL	Indoor usage	■
	Outdoor usage	■
UPLINK	Ethernet 100Mbps fiber SFP module	■ SFP
	Ethernet 1000Mbps fiber (BiDi)	■ SFP
LAN INTERFACE	10/100/1000T	6
WAN PORT	Copper / fiber	Fiber
PHONE INTERFACES	FXS	2
VoIP PROTOCOLS	SIP / MGCP	■
CONSOLE INTERFACE	USB	■
QoS	IEEE 802.1p priority queues	■
	IEEE 802.1Q VLANs mgmt	■
MANAGEMENT	AlliedView NMS	■
	TR-069	■
	SNMPv1, v2 and v3	■
	Telnet, Web, GUI, CLI	■
	Remote software upgrade	■
ACCESSORY AVAILABLE	Battery backup iMG008	■
	Outdoor case EN-SFR-ONT	■

SFP/SFP+ Optics
Learn more about Allied Telesis pluggable optics on pages 40-43.

MODEL	DEPLOYMENT		WAN			POTS	LAN
	Outdoor	Indoor	100X	GE	EPON	FXO	10/100/1000
iMG2426F	■	■	■	■	■	2	6

Media Converters

Solutions that let you extend and evolve your network.

Allied Telesis media converters extend network distances by adding fiber and VDSL (via coax and telephone-grade twisted pair) only where it is needed. This enables customers to keep pace with changing technology and to integrate high-bandwidth devices into the network without changing the entire network infrastructure. From standalone units to chassis-based blades, Allied Telesis media converters are highly configurable to meet every need.

Allied Telesis media converters enable the connection of disparate cabling types in networks where many cabling types exist. Network segments may also operate at different speeds, and media converters can be used to convert between speeds. Typically, media converters are used to connect copper and fiber-optic cabling that coexist in a network. Converters exist in a variety of standalone, multi-port, and modular forms. These different physical forms address the need for different applications and conversion densities.

Unmanaged

MMC Series

The Allied Telesis MMC Series of mini media converters leverages its smaller size to not only help the environment with a small carbon footprint, but also to save space in its working environment. Despite its compact size, the MMC Series delivers all the power and functionality of standard size media converters.

		FAST AND GIGABIT ETHERNET STANDALONE MEDIA CONVERTERS			
FEATURES		**MC101XL ***	**MC102XL ***	**MMC6005**	**MMC6006**
PORTS	Port 1	100TX	100TX	10/100/1000T	10/100/1000T
	Port 2	100FX (ST)	100FX (SC)	RJ-11 VDSL/2	BNC VDSL/2
	Type	MMF	MMF		
IEEE STANDARD		100FX	100FX		
VDSL2 STANDARD				ITU G.993.2	
Tx WAVELENGTH		1310 nm	1310 nm		
Rx WAVELENGTH		1310 nm	1310 nm		
MAX DISTANCE		2 km	2 km	3 km	2 km
FUNCTIONALITY	Rate and speed			■	■
	MissingLink support	■	■		
	Smart MissingLink support			■	■
	Max frame size	9KB	9KB	10KB	10KB
	Diagnostic LEDs	7	7	4	4
POWER SUPPLY	PSU type	External	External	External	External
	Multi-region	■	■	■	■
	Compatible with rackmount chassis	MCR12 TRAY4	MCR12 TRAY4	MMCR18 MMCTRAY6	MMCR18 MMCTRAY6

* Only available in Europe

COMING SOON

		FAST ETHERNET, GIGABIT AND 10G STANDALONE OR RACKMOUNTABLE MINI MEDIA CONVERTERS						
FEATURES		**MMC200 /LC/SC/ST**	**MMC200LX /SC/ST**	**MMC2000 /LC/SC/ST**	**MMC2000/SP**	**MMC2000LX LC/SC**	**MMC2000/T**	**MMC10G MMC10GT**
PORTS	Port 1	10/100/1000T	10/100/1000T	10/100/1000T	10/100/1000T	10/100/1000T	10/100/1000T	10GT or SFP+
	Port 2 (available in these connector types)	100FX (LC) 100FX (SC) 100FX (ST)	100FX (SC) 100FX (ST)	1000SX (LC) 1000SX (SC) 1000SX (ST)	100/1000 SFP	1000SX (LC) 1000SX (SC)	10/100/1000T	SFP+ or SFP
	Type	MMF	SMF	MMF	SMF / MMF	SMF		SMF / MMF
IEEE STANDARD		100FX	100FX	1000SX	100FX / 1000X	1000LX	10/100/1000T	10G Base-T 10G Base-X
Tx WAVELENGTH		1310 nm	1310 nm	850 nm	Depends on SFP	1310 nm		Depends on SFP
Rx WAVELENGTH		1310 nm	1310 nm	850 nm	Depends on SFP	1310 nm		Depends on SFP
MAX DISTANCE		2 km	20 km	550 m	Depends on SFP	20 km	100 m	Depends on SFP
FUNCTIONALITY	Rate and speed	■	■	■	■	■	■	■
	Smart MissingLink support	■	■	■	■	■	■	■
	Max frame size	10KB	10KB	10KB	10KB	10KB	10KB	
	Diagnostic LEDs	4	4	4	4	4	4	4
	Smark Link restoration	■	■	■	■	■	■	■
POWER SUPPLY	PSU type	External	External	External	External	External	External	External
	Multi-region	■	■	■	■	■	■	■
	Compatible with a rackmount chassis	MMCR18 MMCTRAY6	MMCR18 MMCTRAY6	MMCR18 MMCTRAY6	MMCR18 MMCTRAY6	MMCR18 MMCTRAY6	MMCR18 MMCTRAY6	MMCR18 * MMCTRAY6

* limitations will apply

Desktop Powered

The Allied Telesis DMC100 and DMC1000 Series of Gigabit mini media converters are among the smallest media converters in the market today. At just 1.25 in wide x 3.6 in deep x 0.85 in high, these media converters can easily fit into the palm of your hand. In addition to being compact — with a small carbon footprint — the DMC Series can be powered with the included micro USB to USB cable plugged into your PC or laptop, or with an external wall-type power adapter.

The UMC Series are powered and transfer data via the USB port. There is no need for copper cabling or a power cable to enable fiber to the desktop, workstation or laptop. Simply plug the fiber into the UMC200/2000 and the USB port into the PC.

		FAST ETHERNET AND GIGABIT DESKTOP USB OR EXTERNAL POWERED		SUPERSPEED USB 3.1/USB-C/USB-A TO FIBER MEDIA CONVERTERS	
FEATURES		**DMC100 /LC/SC/ST**	**DMC1000 /LC/SC/ST**	**UMC200 /SC/ST**	**UMC2000 /SC/LC/SP**
PORTS	Port 1	100TX	1000T	USB 3.1 / USB-C / USB-A	USB 3.1 / USB-C
	Port 2	100FX (LC) 100FX (SC) 100FX (ST)	1000SX (LC) 1000SX SC) 1000SX (ST)	100FX (SC) 100FX (ST)	1000SX (LC) 1000SX SC) 100 or 1000 SFP (SP)
	Type	MMF	MMF	MMF	MMF
IEEE STANDARD		100FX	1000SX	100FX	1000SX (SP depends on SFP)
Tx WAVELENGTH		1310 nm	850 nm	1310 nm	850 nm (SP depends on SFP)
Rx WAVELENGTH		1310 nm	850 nm	1310 nm	850 nm (SP depends on SFP)
MAX DISTANCE		2 km	550 m	2 km	550 m (SP depends on SFP)
FUNCTIONALITY	Smart MissingLink support	■	■	■	■
	Max frame size	16KB	16KB	16KB	16KB
	Diagnostic LEDs	4	4	4	4
	Smark Link restoration	■	■	■	■
	Wake-on-LAN			■	■
POWER SUPPLY	PSU type	External	External	USB	USB

Mounting Hardware

The majority of unmanaged Allied Telesis media converters can be mounted in a number of ways.

Desktop

All Allied Telesis media converters have the option to be fitted with rubber feet. These allow the product to be positioned on the desktop.

Universal Power Supply

For customers already using Allied Telesis media converters, replacement power adapters are available.

- **MCPWR**
  Universal, high-efficiency external power adapter

MMC Rack

- **MMCR18**
  This chassis allows mounting of up to 18 standalone MMC Series media converters. The chassis supports optional redundant power supplies and can be AC or DC powered. Standard, 19-inch, rack.

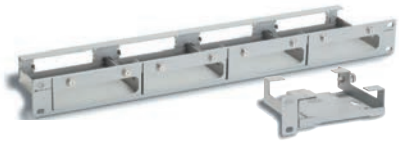
- **MMCTRAY6**
  This 1RU rackmount tray allows the mounting of up to six MMC Series media converters.

Rack

Larger multi-channel and modular media converters ship with 19" rackmount kits. Smaller media converters may also be rackmounted in a number of ways:

- **MCR12** chassis
  This chassis allows mounting of up to 12 standalone media converters or switches. The chassis supports optional redundant power supplies and can be AC or DC powered.

- **TRAY1** and **TRAY4**
  These simple trays allow one to four standalone media converters to be mounted into a rack.



PoE & Industrial

PoE Series

Allied Telesis PC PoE Series media converters are the ideal solution for powering remote devices such as IP phones, video cameras, wireless access points, etc., which are more than 100 m from a Power over Ethernet switch.

		POE GIGABIT ETHERNET STANDALONE		POE FAST ETHERNET STANDALONE
FEATURES		**PC2000 /LC/SC**	**PC2000/SP**	**PC200/SC**
PORTS	Port 1	10/100/1000T	10/100/1000T	10/100TX
	Port 2	1000SX (LC) 1000SX (SC)	SFP 100/1000X	100FX
	Connector	LC or SC	LC *	SC
IEEE STANDARD		1000SX	100FX, 1000SX, 1000LX	100FX
Tx WAVELENGTH		850 nm	Depends on SFP	1310 nm
Rx WAVELENGTH		850 nm	Depends on SFP	1310 nm
MAX FIBER DISTANCE		550 m	Depends on SFP	2 km
FUNCTIONALITY	Rate and speed	■	■	■
	Smart MissingLink support	■	■	■
	Max frame size	10KB	10KB	10KB
	Diagnostic LEDs	6	6	6
	Smark Link restoration	■	■	
POWER OVER ETHERNET	PoE-enabled ports	1	1	1
	Max no. of full power ports	1	1	1
	Mode	A	A	A
	PoE power	IEEE 802.3at (30W)	IEEE 802.3at (30W)	IEEE 802.3at (30W)
POWER SUPPLY	PSU type	Internal	Internal	Internal
	Multi-region	■	■	■

* Dependant on SFP

Allied Telesis industrial Ethernet media converters offer an operating range from -40° to 75°C. The temperature-hardened IMC Series features Plug-and-Play and auto-negotiation.

IMC Series

Allied Telesis industrial media converters are the perfect fit for networks needing an extended temperature range. They extend the distance of the network by converting data between twisted pair cabling and multi-mode or single-mode fiber-optic cabling.

These industrial rate and media converters are capable of accepting 100MB or Gigabit SFP modules (auto sensing). With Remote Power Cycle you do not need to be onsite to cycle the power on the end device, saving you time and money.

		INDUSTRIAL MEDIA CONVERTERS			
FEATURES		**IMC2000TP /SC/SP**	**IMC2000T /SC/SP**	**IMC200TP/SC**	**IMC200T/SC**
PORTS	Port 1	10/100/1000T	10/100/1000T	10/100TX	10/100TX
	Port 2	1000X SFP (SP), 1000SX (SC)	1000X SFP (SP), 1000SX (SC)	100FX	100FX
	Connector	SFP (SP) or SC	SFP (SP) or SC	SC	SC
IEEE STANDARD		100FX / 1000X SFP (SP) 1000SX (SC)	100FX / 1000X SFP (SP) 1000SX (SC)	100FX	100FX
Tx WAVELENGTH		Depends on SFP (SP), 850 nm (SC)	Depends on SFP (SP), 850 nm (SC)	1310 nm	1310 nm
Rx WAVELENGTH		Depends on SFP, (SP) 850 nm (SC)	Depends on SFP, (SP) 850 nm (SC)	1310 nm	1310 nm
MAX FIBER DISTANCE		Depends on SFP (SP), 550 nm (SC)	Depends on SFP (SP), 550 nm (SC)	2 km (SC)	2 km (SC)
FUNCTIONALITY	Rate and speed	■	■	■	■
	Max frame size	10KB	10KB	10KB	10KB
	Diagnostic LEDs	■	■	■	■
POWER OVER ETHERNET	IEEE 802.3at Class 4	■		■	
	IEEE 802.3at PoE+ and LTPoE++, 4-pair up to 70W	■		■	
	PoE enabled ports	1		1	
	Mode	A		A	
POWER SUPPLY	PSU type	-48 to 57vDC	-12 to -48vDC	-48 to 57vDC	-12 to -48vDC

Chassis-Based

MCF3000 Series

The Allied Telesis MCF3300 is a 1RU, three blade, chassis able to support up to 24 conversions, (dependent on connector type). This chassis is powered by hot-swappable AC or DC power supplies. This allows for flexibility amongst connection types/speeds as well as the industry's smallest form factor for up to 24 media conversions at 1RU high. The MCF3100 can be used on it's own, or remotely, and is a single slot chassis able to house one of the blades (with up to eight conversions) available in the MCF3000 family.

With both Gig (MCF3000) and 10 Gig (MCF3010) blades the MCF3300 chassis family will be able to handle the most robust conversion needs. The SFP port on the MCF3000/8SP enables backward compatibility to 100MB networks, while the SFP+ port on the MCF3010T/4SP will handle 10G distances beyond the standard 220m using our complete line of optics.

- **MCF3300**
  3-slot up to 24 media converter chassis
- **MCF3100** COMING SOON
  1-slot up to 8 media converter chassis
- **MCF3000/8SP**
  8 x 100/1000MB SFP to 10/100/1000T
- **MCF3000/8LC**
  8 x 1000SX/LC to 10/100/1000T
- **MCF3010T/4SP**
  4 x 10GT to SFP+
- **MCF3000M**
  Management module

» Configure, monitor, troubleshoot remotely via the management module
» Backup/restore/upgrade
» Ethernet interfaces
» USB console port
» 1 RU, 3-slot design
» Complete system hardware monitoring
» Missing Link/Smart Missing Link
» Enhanced user management
» Syslog (System Logging)
» Multiple IP addressing modes (IPv4/IPv6, DHCP, Static, Bootp)
» SNMP v1, SNMP v2c, and SNMP v3
» Ability to shut down a port or whole card for power saving or security
» Ability to enable/disable remote management
» Limited AMF support
» Redundant Power Supply (capable)

SFP and SFP+ Optics
Learn more about Allied Telesis pluggable optics on pages 40-43.

Network Adapters

We're the market leader for fiber adapters with fast, secure and reliable solutions.

From 100Mbps to 10 Gigabit, Allied Telesis seamlessly connects desktops, laptops, servers, and thin clients with a continually expanding portfolio of high-quality, reliable, and cost-effective network adapters.

As the worldwide leader in fiber adapter cards Allied Telesis continues to offer the highest-quality cards at competitive prices. With offerings from 100FX to 10 Gig, we have a card to fit your secure fiber optic network needs.

10G Adapters

ANC/DNC Series

Large file transfers, multimedia support and more and more users are causing high demand on network resources. These issues are taxing on bandwidth.

Allied Telesis single and dual-port, 10 Gigabit adapters offer cost-effective solutions for your file or application server, workstation, or desktop.

DNC10LC

The Allied Telesis DNC10LC fiber network adapter card utilizes a fixed LC optical connection for enhanced physical security. The 10G DNC10LC is an ideal fit for federal and other mission-critical applications, where security is of paramount importance.

		SFP+ 10 GIGABIT		RJ-45 10 GIGABIT	10G FIBER
FEATURES		**ANC10S/2**	**DNC10SP**	**DNC10T**	**DNC10LC**
BUS TYPE		PCIe (×8)	PCIe (×4)	PCIe (×4)	PCIe (x4)
PORTS AND MEDIA SUPPORT	Connector type	2 x SFP+	SFP or SFP+	RJ-45	LC
	Fiber type	MMF, SMF	MMF, SMF		MMF
	Max distance	Depends on SFP+	Depends on SFP+	100 m	550 m
QoS	IEEE 802.1p priority queues	■	■	■	■
PERFORMANCE	TCP/IP checksum CPU offload	■	■	■	■
	Jumbo frames	■	■	■	■
	Link aggregation support	■	■	■	■
	Link aggregation failover	■	■	■	■
	iSCSI Boot	■			
MANAGEMENT	Managed boot agent (PXE/UEFI)	2.1	■	■	■
	VLAN support	■	■	■	■
	Windows Server Teaming	■	■	■	■
DRIVER SUPPORT	Windows Server 2016	■	■	■	■
	Windows Server 2019	■	■	■	■
	Windows 10	■	■	■	■
	Linux	■	■	■	■
IPv4/IPv6 SUPPORT		■	■	■	■
DIAGNOSTICS	LEDs	■	■	■	■
PHYSICAL	Low profile bracket and full height provided	■	■	■	■

SFP/SFP+ Optics

Learn more about Allied Telesis pluggable optics on pages 40-43.

Desktop/Workstation/Server

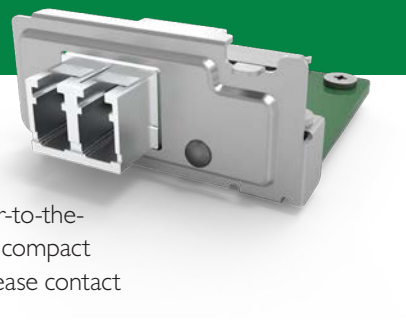
29xx Series

Allied Telesis 29xx network adapters provide the maximum possible bandwidth and bus efficiency with the benefits of low-power consumption. They include a comprehensive Microsoft Windows utility which performs detailed tests, diagnostics and analysis.

		GIGABIT COPPER		COPPER AND FIBER
FEATURES		**2912T**	**2911T/2**	**2914GP**
BUS TYPE		PCIe (x1)	PCIe (x1)	PCIe (x1)
PORTS AND MEDIA SUPPORT	10/100/1000T PoE			IEEE 802.3at (30W)
	10/100/1000T	■	■ (2 ports)	
	100FX			SFP
	1000X			1000Mbps SFP
FIBER TYPE				100/1000 SFP
MAX FIBER DISTANCE				Depends on SFP
QoS	IEEE 802.1p priority queues	■	■	■
PERFORMANCE	TCP/IP checksum CPU offload	■	■	■
	Jumbo frames	■	■	■
	Windows Server Teaming	■	■	■
MANAGEMENT	Wake-on-LAN	■	■	Copper port
	Managed boot agent (PXE/UEFI)	2.1	2.1	2.1
	VLAN support	■	■	■
	Advanced power management (ACPI)	■	■	■
	SNMP	■	■	■
SECURITY	IPSec offload	■		
DRIVER SUPPORT	Windows Server 2012	■	■	■
	Windows Server 2016	■	■	■
	Windows Server 2019	■	■	■
	Windows 10	■	■	■
	Linux	■	■	■
IPv6 SUPPORT		■	■	■
DIAGNOSTICS	LEDs	■	■	■
	Virtual cable tester	■	■	
PHYSICAL	Low profile bracket and full height provided	■	■	■

SFP/SFP+ Optics

Learn more about Allied Telesis pluggable optics on pages 40-43.



27M2 29M2

The Allied Telesis 27M2 and 29M2 network adapters are ideal for fiber-to-the-desktop networks that depend on secure and reliable systems. These compact form-factor adapters are designed for specific HP & DELL systems. Please contact your sales person for more information.

		GIGABIT FIBER				FAST ETHERNET FIBER	
FEATURES		**2914SX /LC/SC**	**2914SP**	**2911SX LC/SC/ST**	**2911SFP/2**	**2711FX LC/SC/ST**	**2712FX**
BUS TYPE		PCIe (x1)	PCIe (x1)	PCIe (x1)	PCIe (x1)	PCIe (x1)	PCIe (x1)
PORTS AND MEDIA SUPPORT	10/100/1000T PoE						
	10/100/1000T						
	100FX		SFP			LC, SC, ST	SC
	1000X	LC, SC	SFP	LC, SC, ST	1000Mbps SFP (2 ports)		
FIBER TYPE		MMF	100/1000 SFP	MMF	Depends on SFP	MMF	MMF
MAX FIBER DISTANCE		220 m / 500 m	Depends on SFP	220 m / 500 m	Depends on SFP	2 km	2 km
QoS	IEEE 802.1p priority queues	■	■	■	■	■	■
PERFORMANCE	TCP/IP checksum CPU offload	■	■	■	■	■	■
	Jumbo frames	■	■	■	■	■	■
	Windows Server Teaming	■	■	■	■	■	■
MANAGEMENT	Wake-on-LAN	■	■			■	■
	Managed boot agent (PXE/UEFI)	2.1	2.1	2.1	2.1	2.1	2.1
	VLAN support	■	■	■	■	■	■
	Advanced power management (ACPI)	■	■	■	■	■	■
	SNMP	■	■	■	■	■	■
SECURITY	IPSec offload						■
DRIVER SUPPORT	Windows Server 2012			■	■		
	Windows Server 2016			■	■		
	Windows Server 2019			■	■		
	Windows 10	■	■	■	■	■	■
	Linux	■	■	■	■	■	■
IPv6 SUPPORT		■	■	■	■	■	■
DIAGNOSTICS	LEDs	■	■	■	■	■	■
	Virtual cable tester	■	■	■	■	■	■
PHYSICAL	Low profile bracket and full height provided	■	■	■	■	■	■

Advanced Power Management (ACPI)

ACPI is part of the environmental control initiative for computers. Allied Telesis adapter cards support ACPI, which places the system in a low power state when it is not receiving or transmitting data.

Wake-on-LAN (WoL)

WoL is a feature of adapter cards that allows a computer fitted with a card to be remotely powered-on. The computer receives a special data packet via the network port that will cause the computer to boot. This, coupled with PXE support, allows network administrators to gain complete access to all computers on their networks.

Preboot Execution Environment (PXE) Support

PXE allows network administrators to perform preboot procedures on a system, such as installing an operating system, running a virus checker, or downloading a predefined system configuration. PXE support included in Allied Telesis adapter cards allows a workstation or computer to boot from a remote server connected to the network prior to booting from the local hard drive.

Transceiver Modules

Offering a wide variety of products to round out your end-to-end network solution.

Allied Telesis optics provide fiber and copper connectivity for the full range of Allied Telesis product lines. Pluggable transceivers allow one product the flexibility to expand by media type (copper or fiber), speed (Fast Ethernet and 1, 10, 40, or 100 Gigabit), and/or distance (220 m to 120 km).

Allied Telesis offers SFP, cSFP, SFP+, QSFP+ and QSFP28 pluggable transceivers, which comply with industry networking regulations. This compliance allows Allied Telesis pluggable optics to be used on any industry-standard networking equipment.

Pluggable Transceivers

QSFP Series

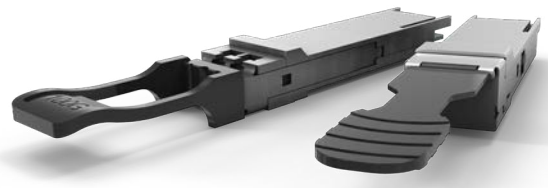
The QSFP Series offers the latest industry-standard 40 Gigabit Ethernet connectivity in a flexible, small form factor. It is ideal for Datacom/Telecom switch and router connections, as well as data aggregation, backplane, proprietary protocol, and high-density applications. This hot-swappable transceiver simply plugs into a QSFP slot on any compatible Allied Telesis product.

	100 GIGABIT FIBER (QSFP28)	
FEATURES	**QSFP28-SR4**	**QSFP28-LR4**
FORM FACTOR	QSFP28	QSFP28
FIBER TYPE	MMF	SMF
NUMBER OF FIBERS	2 (Rx, Tx)	2 (Rx, Tx)
SPEED	100G	100G
DIGITAL DIAGNOSTICS MONITORING (DDM)	■	■
Rx WAVELENGTH	850 nm	4 CDWM Lanes *
Tx WAVELENGTH	850 nm	4 CDWM Lanes *
MAX DISTANCE	Up to 100 m	Up to 10 km
CONNECTOR TYPE	MPO-12	LC
TEMPERATURE	0°C to 70°C	0°C to 70°C

* Central wavelengths of the 4 CWDM channels - 1296 n 1300 nm, 1304 nm, 1308 nm

	40 GIGABIT FIBER (QSFP+)			
FEATURES	**QSFPSR4**	**QSFPSR4LC**	**QSFPLR4**	**QSFPER4**
FORM FACTOR	QSFP+	QSFP+	QSFP+	QSFP+
FIBER TYPE	MMF	MMF	SMF	SMF
NUMBER OF FIBERS	2 (Rx, Tx)	2 (Rx, Tx)	2 (Rx, Tx)	2 (Rx, Tx)
SPEED	40G	40G	40G	40G
DIGITAL DIAGNOSTICS MONITORING (DDM)	■	■	■	■
Rx WAVELENGTH	850 nm	850 nm	4 CWDM lanes *	4 CWDM lanes *
Tx WAVELENGTH	850 nm	850 nm	4 CWDM lanes *	4 CWDM lanes *
MAX DISTANCE	Up to 150 m	Up to 150 m	Up to 10 km	Up to 40 km
CONNECTOR TYPE	MPO-12	LC	LC	LC
TEMPERATURE	0°C to 70°C	0°C to 70°C	0°C to 70°C	0°C to 70°C

* Central wavelengths of the 4 CWDM channels - 1271, 1291, 1311 and 1331 nm



QSFP+ Cables

- **QSFP1CU**
  QSFP+ 1 m cable
- **QSFP3CU**
  QSFP+ 3 m cable

QSFP28 Cables

- **QSFP28-1CU**
  100G DAC, passive, 1 m
- **QSFP28-3CU**
  100G DAC, passive, 1 m

Breakout Cables

- **QSFP-4SFP10G-3CU**
  QSFP+ port to 4 × 10G ports, 3 m
- **QSFP-4SFP10G-5CU**
  QSFP+ port to 4 × 10G ports, 5 m

Optical Cables

- **MTP12-1**
  MTP cable for QSFP+ Series, 1 m
- **MTP12-5**
  MTP cable for QSFP+ Series, 5 m

Pluggable Transceivers

SP10 Series (SFP+)

The SP10 Series offers customers a wide variety of 10 Gigabit Ethernet connectivity options for data center, enterprise, and service provider transport applications. These hot-swappable devices plug into an Ethernet SFP+ port and have the smallest 10G form factor in the industry. Configurations can be optimized to meet a variety of distance and service requirements.

cSFP Series

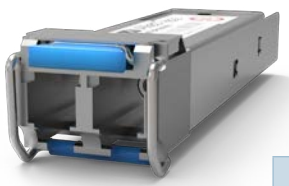
The cSFP Series offers two channel Bi-Directional SFP designed expressly for high-speed communication applications. This hot-pluggable transceiver simply plugs into a cSFP slot on an Allied Telesis product for convenient transmission capacity upgrade.

INDUSTRIAL EXTENDED

Temperatures

Different network environments call for a variety of temperature ranges. Allied Telesis supports a wide range of industrial temperature optical accessories for use in all its extended and industrial temperature products. The SP Series is available in standard (0-70°C), industrial (-40 to 85°C), and extended (-40 to 105°C) temperature variants.

	10 GIGABIT FIBER TRANSCEIVERS (SFP+)					10 GIGABIT BIDI FIBER TRANSCEIVERS (SFP+)		
FEATURES	**SP10SR SP10SR/I**	**SP10LRa/I**	**SP10LRM**	**SP10ER40a/I**	**SP10ZR80/I**	**SP10BD10/I-12 SP10BD10/I-13**	**SP10BD20-12 SP10BD20-13**	**SP10BD40/I-12 SP10BD40/I-13**
FORM FACTOR	SFP+	SFP+	SFP+	SFP+	SFP+	SFP+	SFP+	SFP+
FIBER TYPE	MMF	SMF	MMF	SMF	SMF	SMF	SMF	SMF
NUMBER OF FIBERS	2 (Rx, Tx)	2 (Rx, Tx)	2 (Rx, Tx)	2 (Rx, Tx)	2 (Rx, Tx)	1 (BiDi)	1 (BiDi)	1 (BiDi)
SPEED	10G	10G	10G	10G	10G	10G	10G	10G
DIGITAL DIAGNOSTICS MONITORING (DDM)	■	■	■	■	■	■	■	■
Rx WAVELENGTH	850 nm	1310 nm	1310 nm	1550 nm	1550 nm	1330 nm (12) 1270 nm (13)	1330 nm (12) 1270 nm (13)	1330 nm (12) 1270 nm (13)
Tx WAVELENGTH	850 nm	1310 nm	1310 nm	1550 nm	1550 nm	1270 nm (12) 1330 nm (13)	1270 nm (12) 1330 nm (13)	1270 nm (12) 1330 nm (13)
MAX DISTANCE	300 m	10 km	Up to 220 m	40 km	80 km	10 km	20 km	40 km
CONNECTOR TYPE	LC	LC	LC	LC	LC	LC	LC	LC
TEMPERATURE	0°C to 70°C (SR) -40°C to 85° (SR/I)	-40°C to 85°	0°C to 70°C	-40°C to 85°C	-40°C to 85°C	-40°C to 85°C	0°C to 70°C	-40°C to 85°C



Twinax Cables

- **SP10TW1** 10G SFP+ Twinax, 1 m
- **SP10TW3** 10G SFP+ Twinax, 3 m
- **SP10TW7** 10G SFP+ Twinax, 7 m

	GIGABIT FIBER TRANSCEIVERS (SFP)				
FEATURES	**SPSX SPSX/I SPSX/E**	**SPEX SPEX/E**	**SPLX10a SPLX10/I SPLX10/E**	**SPLX40 SPLX40/E**	**SPZX120/I**
FORM FACTOR	SFP	SFP	SFP	SFP	SFP
FIBER TYPE	MMF	MMF	SMF	SMF	SMF
NUMBER OF FIBERS	2 (Rx, Tx)	2 (Rx, Tx)	2 (Rx, Tx)	2 (Rx, Tx)	2 (Rx, Tx)
SPEED	1000Mbps	1000Mbps	1000Mbps	1000Mbps	1000Mbps
DIGITAL DIAGNOSTICS MONITORING (DDM)	■ (SX/I)		■ (LX10/I)	■ (LX40)	■
Rx WAVELENGTH	850 nm	1310 nm	1310 nm	1310 nm	1550 nm
Tx WAVELENGTH	850 nm	1310 nm	1310 nm	1310 nm	1550 nm
MAX DISTANCE	220 / 550 m 550 m (SX/E)	2 km	10 km	40 km	120 km
CONNECTOR TYPE	LC	LC	LC	LC	LC
TEMPERATURE	0°C to 70°C (SX) -40°C to 85°C (SX/I) -40°C to 105°C (SX/E)	0°C to 70°C (EX) -40°C to 105°C (EX/E)	0°C to 70°C (10) -40°C to 85°C (10/I) -40°C to 105°C (10/E)	0°C to 70°C (40) -40°C to 105°C (40/E)	-40°C to 85°C

SFP Series (SP)

The SP Series delivers flexible, full-duplex Ethernet connectivity. These hot-swappable fiber interfaces simply plug into an SFP slot on Allied Telesis products that are SFP compatible. Configurations can be optimized to meet a variety of distance and service requirements.

	FAST ETHERNET FIBER TRANSCEIVERS	
FEATURES	**SPFX/2**	**SPFX30/1**
FORM FACTOR	SFP	SFP
FIBER TYPE	MMF	SMF
NUMBER OF FIBERS	2 (Rx, Tx)	2 (Rx, Tx)
SPEED	100Mbps	100Mbps
DIGITAL DIAGNOSTICS MONITORING (DDM)	■	■
Rx WAVELENGTH	1310 nm	1310 nm
Tx WAVELENGTH	1310 nm	1310 nm
MAX DISTANCE	2 km	30 km
CONNECTOR TYPE	LC	LC
TEMPERATURE	0°C to 70°C	-40°C to 105°C

		COMING SOON		COMING SOON
	COPPER RJ-45 TRANSCEIVERS			
FEATURES	**SPTX**	**SPTXc**	**SP10T**	**SP10TM**
FORM FACTOR	SFP	SFP	SFP+	SFP+
SPEED	1000T	1000T	1G / 10G Base-T	100M / 1G / 2.5G / 5G / 10G
MAX DISTANCE	100 m	100 m	30 m	100 m
CONNECTOR TYPE	RJ-45	RJ-45	RJ-45	RJ-45
TEMPERATURE	0°C to 70°C	0°C to 70°C	-5°C to 85°C	-5°C to 85°C

TAA Compliant

Allied Telesis provides many options for Trade Act Compliant (TAA) optics. These products are manufactured in TAA compliant countries and continue our commitment to providing a wide range of offerings for any network requirement.

Contact your sales representative for a complete list of TAA compliant products.

	GIGABIT BIDI FIBER TRANSCEIVERS (SFP)		COMPACT GIGABIT FIBER (CSFP)	GIGABIT OPTICS (NSP)	
FEATURES	**SPBD10-13 SPBD10-14**	**SPBD20LC/I-13 SPBD20LC/I-14**	**SPBD20DUAL-14 SPBD40DUAL-14**	**SPBD20-13/I SPBD20-14/I**	**SPBD40-13/I SPBD40-14/I**
FORM FACTOR	SFP	SFP	CSFP	SFP	SFP
FIBER TYPE	SMF	SMF	SMF	SMF	SMF
NUMBER OF FIBERS	1 (BiDi)	1 (BiDi)	2 (BiDi)	1 (BiDi)	1 (BiDi)
SPEED	1000Mbps	1000Mbps	1000Mbps	1000Mbps	1000Mbps
DIGITAL DIAGNOSTICS MONITORING (DDM)		■	■	■	■
Rx WAVELENGTH	1490 nm (13) 1310 nm (14)	1490 nm (13) 1310 nm (14)	1310 nm	1490 nm (13/I) 1310 nm (14/I)	1490 nm (13/I) 1310 nm (14/I)
Tx WAVELENGTH	1310 nm (13) 1490 nm (14)	1310 nm (13) 1490 nm (14)	1490 nm	1310 nm (13/I) 1490 nm (14/I)	1310 nm (13/I) 1490 nm (14/I)
MAX DISTANCE	10 km	20 km	20 km 40 km	20 km	40 km
CONNECTOR TYPE	LC - BiDi	LC - BiDi	2 × LC	SC	SC
TEMPERATURE	0°C to 70°C	-40°C to 85°C	-40°C to 85°C	-40°C to 95°C	-40°C to 85°C

Company Details

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