NETGEAR®



Experience the New Generation of Gigabit Smart Switches

The NETGEAR® new generation of Gigabit Smart switches offers new, powerful L2+/Layer 3 Lite features with enhanced performance and usability. They are purposely designed for the future where increased traffic and application-oriented tasks demands more intelligence at the edge, higher realiability and improved network efficiency on top of operational cost savings and ease of management.

There are two products in this series: a 24-port and a 48-port Gigabit Ethernet Smart switch.

The GS724T comes with 2 dedicated Gigabit SFP ports for fiber connectivity while the GS748T comes with 2 dedicated Gigabit SFP and 2 combo copper/SFP ports, all with increased number of simultaneously connected ports.

This new generation of Gigabit Smart switch from NETGEAR is the optimized solution providing the best value at an affordable SMB price point.

Highlights

Designed for Converged Network, Big or Small

- Gigabit speed with non-blocking architecture supporting 100% Gigabit throughput
- Auto Voice VLAN for fast and reliable deployment of VoIP
- Auto Video VLAN, following the same concept of Auto Voice, help speed up your deployment of IP-based surveillance system
- Static routing, helps to route internal traffic for more efficient use of network resources

• IGMP and MLD snooping, providing advanced multicast filtering

Build a Future-proof Network with NETGEAR

- Solid performance with nonblocking architecture, 16K MAC addresses, 256 VLANs, 100 shared ACL entries, 32static routes, and 512 Multicast Groups
- Comprehensive IPv6 supporting management, QoS and ACL, ensuring investment protection and a smooth migration to IPv6-based network

- Dedicated SFPs instead of combo ports, offering more connectivity ports and providing better value and usability at no extra cost
- Energy Efficient Ethernet (IEEE802.3az) support for more energy saving in the future when more IEEE-compliant end devices come to market
- Advanced QoS with IPv4/ IPv6 ingress traffic filtering and prioritization

NETGEAR® BUSINESS

- Dynamic VLAN assignment for easy user authentication and location-independent access to network
- Multicast VLAN Registration for eliminating unnecessary multicast traffic and improve the efficiency of network utilization

Network Development Made Easy

- Auto Voice VLAN for easy development of VoIP
- Auto Video for simple deployment of IP Surveillance
- ACL Wizard for a guided tour to set up your network access control

 Network Management System (NMS300), allowing all NETGEAR business products to be deployed and managed through this single management interface

Small IT, not Big IT

- Easy to manage via web-based management GUI for multi-switch deployment
- Standard-based technology, ensuring interoperability with any standard-based devices in the existing network

- Dual firmware images, improving reliability and uptime to your network
- Worry-free with NETGEAR limited lifetime hardware warranty*
- Assist with customer deployment with 1-year Free 24x7 advanced Technical support*









Hardware-at-a-Glance

		FRON	REAR		
Model Name	Form-Factor	10/100/1000Base-T RJ45 ports	100/1000X Fiber SFP ports	Power Supply	Fans
GS724T	Rack mount	24	2 (Dedicated)	Internal	No
GS748T	Rack mount	48	2 (Dedicated) + 2 (Combo)	Internal	1





GS724T: 24-port 1000base-T Gigabit Smart Switch

- 24 Gigabit copper ports
- 2 dedicated SFP ports
- Fanless

GS748T: 48-port 1000base-T Gigabit Smart Switch

- 48 Gigabit copper ports
- 2 dedicated SFP ports and 2 combo copper/SFP ports

Software-at-a-Glance

Management	IPv4 / IPv6 Multicast filtering	Auto-VoIP	EEE (802.3az) Auto-EEE	VLANs	Convergence
Web GUI: HTTPs; RMON SNMP	IGMP and MLD Snooping	Yes	Yes	Static, Voice Video, MAC, Protocol-based	LLDP-MED, RADIUS, 802.1X

Performance-at-a-Glance

Model Name	Packet buffer	ACLs	MAC address table VLANs Multicast Group	Fabric	Static Routes IP interfaces
GS724T GS748T	2Mb	100 shared ACLs (MAC, IP4 and IPv6)	16K MAC 256 VLANs 512 Multicast Groups	all models line-rate	32 static routes IPv4



Features and Benefits

Hardware Features	
Dedicated SFP Fiber Uplinks	Dedicated SFP ports provides fiber uplinks without sacrificing any downlink Gigabit port. Up to 4 SFP ports provide not only redundant uplinks, but can also build dual redundancy by a trunked uplink with link aggregation and failover, the dual-redundancy, a powerful design for the network virtualization
Fanless Design (GS724T)	Quiet operation makes these switches ideal solution for business environments which favor no noise from networking gears such as libraries, class rooms, offices and etc.
Energy Efficient Ethernet (IEEE 802.3az)	Maximum power reduction for onging operational cost savings
Software Features	
Dynamic VLAN Assignment	IP phones and PCs can authenticate on the same port but under different VLAN assignment policies. Users are free to move around and enjoy the same level of network access regardless of their physical location in the network
Static Routing	A simple way to provide segmentation of the network with internal routing through the switch - reserving the router for external traffic routing only, making the entire network more efficient
Comprehensive IPv6 Support for Management, ACL and QoS	Build current network with future in mind. Ensure investment protection and a smooth migration to IPv6-based network without switch replacement
IGMP Snooping and MLD Snooping	Facilitate fast receiver joins and leaves for multicast streams. Save cost and improve network efficiency by ensuring multicast traffic only reaches designated receivers without the need of an extra multicast router.
Robust Security Features: • 802.1x authentication • DHCP Snooping • Port-based security by locked MAC • ACL filtering to permit or deny traffic based on MAC and IP addresses	Build a secured, converged network with all types of traffic by preventing external attacks and blocking malware while allowing secure access for authorized users
Auto Voice and Auto Video	Automatic Voice over IP prioritization with Auto-VoIP simplifies most complex multi-vendor IP telephones deployments either based on protocols (SIP, H323 and SCCP) or on OUI bytes (default database and user-based OUIs) in the phone source MAC address; providing the best class of service to VoIP streams (both data and signaling) over other ordinary traffic by classifying traffic, and enabling correct egress queue configuration. When deployed IP phones are LLDP-MED compliant, the Voice VLAN will use LLDP-MED to pass on the VLAN ID, 802.1P priority and DSCP values to the IP phones, accelerating convergent deployments
Comprehensive QoS Features: • Port-based or 802.1p-based prioritization • Layer 3-based (DSCP) prioritization • Port-based ingress and egress rate limiting	Advanced controls for optimized network performance and better delivery of mission-critical traffic such as voice and video
DHCP Snooping	Ensure IP address allocation integrity by allowing only clients with specific IP/MAC addresses to have access to the network
Dual Firmware Images and Configuration Files	Dual firmware image and dual configuration file for transparent firmware updates/configuration changes with minimum service interruption

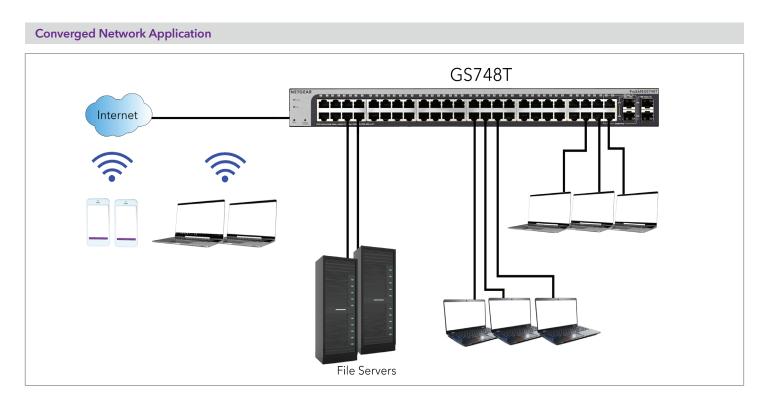




Software Features (continued)	
Protected Ports	Ensure no exchange of unicast, broadcast, or multicast traffic between the protected ports on the switch, therefore, improve the security of your converged network where your sensitive phone conversation can stay private and your surveillance video clips can be forwarded to their designated storage device without leakage or alteration
Dynamic ARP Inspection	Prevents a class of man-in-the-middle attacks, where an unfriendly station intercepts traffic for other stations by poisoning the ARP caches of its unsuspecting neighbors
Multicast VLAN Registration	Eliminates the replication of the same multicast traffic for every VLAN by sending multicast traffic only on to the dedicated multicast/source VLAN, resulting in more efficient utilization of network bandwidth



Example Application



Why is the NETGEAR latest generation of Gigabit Smart switch the right choice for SMBs?

NETGEAR Gigabit Smart switches offer the best return on your investment:

- Well-staged for future network upgrade with Gigabit to desktop and network virtualization
- Cost-effectively bring intelligence to the edge of the network with traffic management features from the Smart switches
- Improved usability for easier and smoother deployment of voice, video and WLAN on the same converged platform
- Limited lifetime* warranty and 1-year free advanced Tech support for peace-of-mind



Technical Specifications	GS724Tv4	GS748Tv5	
Interfaces	24 10/100/1000 Mbps auto-sensing Gigabit-Ethernet switching ports, and two dedicated 1000M SFP fiber ports	48 10/100/1000 Mbps auto-sensing Gigabit-Ethernet switching ports, and two dedicated 1000Mbps SFP fiber ports, and two combo 1000Mbps SFP fiber ports	
Performance Specification			
Forwarding modes		d-forward	
Bandwidth	52 Gbps	100 Gbps	
Priority queues	8	8	
Priority queuing	Weighted Rour	nd Robin (WRR)	
MAC Address database size	16k media access cor	ntrol (MAC) addresses	
Addressing	48-bit MA	C address	
Multicast groups	5	12	
Number of static routes	3	2	
Number of routed VLANs	1	5	
Number of ARP Cache entries	5	12	
Number of DHCP snooping bindings	8K		
Number of DHCP static entries	1024		
ACL	100 shared for MAC, IP and IPv6 ACLs		
Jumbo frame support	up to 9K packet size		
Acoustic noise (ANSI-S10.12)	0 dBA	37.2 dBA	
Mean Time Between Failures (MTBF)	567,680 hours	390,728 hours	
L2 Services - VLANs			
IEEE 802.1Q VLAN Tagging	Ye	es	
Protocol based VLANs	Ye	es	
MAC based VLANs	Ye	es	
Voice VLAN	Based on phones OUI bytes (inter or protocols (SIP,	rnal database, or user-maintained) H323 and SCCP)	
Protocol-based VLAN	Ye	es	
Network Security			
IEEE 802.1x	Ye	es	
Guest VLAN	Yo	es	
RADIUS based VLAN assignment via .1x	Y	es	
RADIOS based VLAN assignment via . 1x			
MAC-based .1x		es	
· ·	Yo	es es	
MAC-based .1x	YA YA		
MAC-based .1x RADIUS Accounting	Yi Yi	es	
MAC-based .1x RADIUS Accounting Network Storm Protection, DoS	Y. Y. Y. Y.	es es	



L2 Services - Availability	GS724Tv4 GS748Tv5
IEEE 802.3ad - LAGs	Yes
LACP	Yes (26 LAGS with max. of 8 members in each LAG)
Broadcast Storm Control	Yes
IEEE 802.3x (Full Duplex and flow control)	Yes
IEEE 802.1D Spanning Tree Protocol	Yes
IEEE 802.1w Rapid Spanning Tree	Yes
IEEE 802.1s Multiple Spanning Tree	Yes
L2 Services - Multicast Filtering	
IGMP Snooping (v1, v2 and v3)	Yes
MLD Snooping Support (v1 and v2)	Yes
IGMP Snooping Queries	Yes
Block Unknown Multicast	Yes
Multicast VLAN Registration	Yes
L2 Services - Multicast Filtering	
IGMP Snooping (v1, v2 and v3)	Yes
MLD Snooping Support (v1 and v2)	Yes
IGMP Snooping Queries	Yes
Block Unknown Multicast	Yes
Multicast VLAN Registration	Yes
L3 Services - DHCP	
DHCP Client	Yes
DHCP Snooping	Yes
L3 Services - IPv4 Routing	
Static Routing	Yes
VLAN Routing	Yes
IP Source Guard	Yes
Network Monitoring and Discovery Services	
802.1ab LLDP	Yes
SNMP	v1, v2c, v3
RMON 1,2,3,9	Yes
Network Traffic	
Access Control Lists (ACLs)	L2/L3/L4
IP-based ACLs (IPv4 and IPv6)	Yes
MAC-based ACL	Yes
TCP/UDP-based ACL	Yes
MAC lockdown	Yes
MAC lockdown by the number of MACs	Yes
IEEE 802.1x Radius Port Access Authentication	Yes



Dynamic VLAN Assignment Dynamic ARP inspection Quality of Service (QoS) Access Lists 12 MAC, L3 IP and L4 Port ACLs Ingress rate limiting Egress rate limiting Egress rate limiting Support for IPv6 fields Prés Support f	Network Traffic	GS724Tv4 GS748Tv5
Dynamic ARP inspection Quality of Service (QoS) Access Lists L2 MAC, L3 IP and L4 Port ACLs Ingress rate limiting Gress rate limiting Support for IPv6 fields Pif8erv QoS FEER 802.1 p COS Pes BIEER 802.1 p COS Pif94 and v6 DSCP Pif94 and v6 DSCP Pif94 and v6 TOS Ves	Port-based security by locked MAC addresses	Yes
Access Lists Acces	Dynamic VLAN Assignment	Yes
Access Lists Yes L2 MAC, L3 IP and L4 Port ACLs Ingress rate limiting Egress rate limiting Yes Support for IPv6 fields DiffServ QoS LEEE 802.1p COS Diff MAC and IP Yes Diff Mac and IP Yes Diff Ward and v6 DSCP LEV and v6 DSCP LEV and v6 TOS WRR (Weighted Round Robin) Yes Strict Priority Queue Technology Yes Ves WRR (Weighted Round Robin) Yes Ves Ves Watto-VoIP Auto-VoIP Auto-VoIP LEEE 802.31 Ethernet LEEE 802.32 Ethernet LEEE 802.32 Ethernet LEEE 802.33 Ethernet LEEE 802.33 Ethernet LEEE 802.33 L10BASE-T LEEE 802.33 L10BASE-T LEEE 802.33 L10BASE-T LEEE 802.34 L10Dupks Flow Control LEEE 802.35 Ligabit Ethernet 1000BASE-T LEEE 802.35 Ligabit Ethernet 1000BASE-T LEEE 802.35 Ligabit Ethernet 1000BASE-SVLX LEEE 802.35 Ligabit Ethernet 1000BASE-SVLX LEEE 802.36 Ligabit Ethernet 1000BASE-SVLX LEEE 802.37 LIQU-LAN Tagging LEEE 802.38 Ligabit Ethernet 1000BASE-SVLX LEEE 802.18 Radius network access control LE	Dynamic ARP inspection	Yes
L2 MAC, L3 IP and L4 Port ACLs Ingress rate limiting Egress rate limiting Support for IPv6 fields Support for IPv6 fields Ves Support for IPv6 fields Pes BEEE 802.1 p COS Dat MAC and IP IPv4 and v6 DSCP IPv4 and v6 DSCP IPv4 and v6 TOS WRR (Weighted Round Robin) Strict Priority Queue Technology Yes Strict Priority Queue Technology Yes, based on protocols (SIP, H323 and SCCP) or on OUI bytes (default database and user-based OUIs) in the phone source MAC address Auto-VoIP Auto-VoIP **EEE 802.3 Behernet** **IEEE 802.3 Behernet** **IEEE 802.3 1 NOBASE-T** **IEEE 802.3 1 NOBASE-T** **IEEE 802.3 1 NOBASE-T** **IEEE 802.3 as 1 100BASE-T** **IEEE 802.3 as 1 100BASE-T** **IEEE 802.3 as 1 100BASE-T** **IEEE 802.3 as 101-Quely RF low Control (*EEE 802.1 p Spanning Tree (KSTP)) **IEEE 802.3 as 101-Quely RF low Control (*EEE 802.1 p Multiple Spanning Tree (KSTP)) **IEEE 802.3 as 101-Quely RF low Control (*EEE 802.1 p Spanning Tree (KSTP)) **IEEE 802.3 as 101-Quely RF low Control (*EEE 802.1 p Multiple Spanning Tree (KSTP)) **IEEE 802.3 as 101-Quely RF low Control (*EEE 802.1 p Spanning Tree (KSTP)) **IEEE 802.1 p Spanning Tree (KSTP) **IEEE 802.1 p Spannin	Quality of Service (QoS)	
Ingress rate limiting Egress rate limiting Yes Support for IPv6 fields Diffser QoS Support for IPv6 fields Pes BEEE 802.1p COS Support for IPv6 fields Pes BEEE 802.1p COS Support for IPv6 fields Pes BEEE 802.1p COS Support for IPv6 fields Pes But MAC and IP Pe	Access Lists	Yes
Egress rate limiting Support for IPv6 fields Ves DiffServ QoS Ves DEEE 802.1p COS DST MAC and IP Pv4 and v6 DSCP Pv4 and v6 DSCP Pv4 and v6 TOS WRR (Weighted Round Robin) Ves Ves WRR (Weighted Round Robin) Ves Strict Priority Queue Technology Auto-VoIP Auto-VoIP Ves Ves, based on protocols (SIP H323 and SCCP) or on OUI bytes (default database and user-based OUIs) in the phone source MAC address Auto Video Ves Ves Ves Ves Ves Ves Ves Ve	L2 MAC, L3 IP and L4 Port ACLs	Yes
Support for IPv6 fields DiffServ QoS IEEE 802.1p COS Dst MAC and IP IPv4 and v6 DSCP IPv4 and v6 DSCP IPv4 and v6 TOS WRR (Weighted Round Robin) Strict Priority Queue Technology Auto-VoIP Auto-VoIP Auto-VoIP Auto-VoIP Auto-VoIP IEEE 802.3 Ethernet IEEE 802.3 Ethernet IEEE 802.3 Ethernet IEEE 802.3 I 10BASE-T IEEE 802.1 I Spanning Tree (MSTP) IEEE 802.1 I Spanning Tree (MST	Ingress rate limiting	Yes
DiffServ OoS IEEE 802.1p COS Pes Dat MAC and IP IPv4 and v6 DSCP IPv4 and v6 TOS WRR (Weighted Round Robin) Strict Priority Queue Technology Auto-VoIP Auto-VoIP Auto-VoIP Auto-Vole Port Mirroring IEEE 802.3c Ethernet IEEE 802.31 EBES 802.3a Ethernet IEEE 802.31 I DBASE-T IEEE 802.31 1 DBASE-T IEEE 802.31 1 DBASE-T IEEE 802.32 I 1 1 DBASE-T IEEE 802.32 I 1 1 DBASE-T IEEE 802.32 I 1 1 1 DBASE-T IEEE 802.32 I 1 1 1 DBASE-T IEEE	Egress rate limiting	Yes
IEEE 802.1 p COS Dst MAC and IP IPV4 and v6 DSCP IPV4 and v6 DSCP IPV4 and v6 TOS IPV4 and v6 TOS IPV6 IPV6 IPV6 IPV6 IPV6 IPV6 IPV6 IPV6	Support for IPv6 fields	Yes
Dst MAC and IP IPv4 and v6 DSCP IPv4 and v6 DSCP IPv4 and v6 TOS WRR (Weighted Round Robin) Strict Priority Queue Technology Auto-VoIP Auto-Voil A	DiffServ QoS	Yes
IPV4 and v6 DSCP IPV4 and v6 TOS IPV4 and v6 TOS IPV4 mod v6 TOS IPV6 IPV4 mod v6 TOS IPV6 IPV4 mod v6 TOS IPV6 IPV6 IPV6 IPV6 IPV6 IPV6 IPV6 IPV6	IEEE 802.1p COS	Yes
IPv4 and v6 TOS WRR (Weighted Round Robin) Strict Priority Queue Technology Auto-VolP Auto-VolP Auto-VolP Yes, based on protocols (SIP, H323 and SCCP) or on OUI bytes (default database and user-based OUIs) in the phone source MAC address Auto Video Yes Port Mirroring Yes IEEE 802.3 Ethernet • IEEE 802.3 Ethernet • IEEE 802.3 I 108ASE-T • IEEE 802.31 I 108ASE-T • IEEE 802.31 1 008ASE-T • IEEE 802.31 1 OUBASE-T • IEEE 802.31 VALAN Tagging • IEEE 802.32 Gigabit Ethernet 1000BASE-SX/LX • IEEE 802.32 Gigabit Etherne	Dst MAC and IP	Yes
WRR (Weighted Round Robin) Strict Priority Queue Technology Auto-VolP Auto-VolP Yes, based on protocols (SIP, H323 and SCCP) or on OUI bytes (default database and user-based OUIs) in the phone source MAC address Auto Video Yes Port Mirroring Yes IEEE 802.3 Ethernet • IEEE 802.3 Ethernet • IEEE 802.3 I 10BASE-T • IEEE 802.3 I 10BASE-T • IEEE 802.3 I 10DBASE-T • IEEE 802.3 I 10DBASE-T • IEEE 802.3 Su 10DBASE-T • IEEE 802.3 Su 10DBASE-T • IEEE 802.3 Su 10DBASE-T • IEEE 802.1 A WLAN Tagging • IEEE 802.1 Su WLAN Tagging • IEEE 802.1 Su Multiple Spanning Tree (MSTP) • IEEE 802.1 s Multiple Spanning Tree (MSTP) • IEEE 802.1 s Radius network access control **IEEE 802.1 s Radius network access control **IEEE 802.1 w Rapid Spanning Tree (MSTP) • IEEE 802.1 x Radius network access control **Auto-VolP **Auto-VolP **Au	IPv4 and v6 DSCP	Yes
Strict Priority Queue Technology Auto-VolP Auto-VolP Auto-VolP Yes, based on protocols (SIP, H323 and SCCP) or on OUI bytes (default database and user-based OUIs) in the phone source MAC address Auto Video Yes Port Mirroring Yes IEEE 802.3 Ethernet IEEE 802.3 Ethernet IEEE 802.3 I 10BASE-T IEEE 802.1 Spanning Tree (STP) IEEE 802.1 Spanning Tree (MSTP) IEEE 802.1 spanning Tree (MSTP) IEEE 802.3 ad 10-Gigabit Ethernet 1000BASE-SX/LX IEEE 802.3 ad Trunking (LACP) Management Password Management VLAN Admin Access Control via Radius and TACACS+ Web-based Graphical User Interface (GUI) Yes Dual Software (firmware) Image Yes Yes	IPv4 and v6 TOS	Yes
Auto-VoIP Yes, based on protocols (SIP, H323 and SCCP) or on OUI bytes (default database and user-based OUIs) in the phone source MAC address Auto Video Yes Port Mirroring Yes IEEE Network Protocols IEEE 802.3 Ethernet IEEE 802.3 Ethernet IEEE 802.3 I 10BASE-T IEEE 802.3u 100BASE-T IEEE 802.3u 100BASE-T IEEE 802.3u 100BASE-T IEEE 802.3v Full-Duplex Flow Control IEEE 802.1c VLAN Tagging IEEE 802.1c VLAN Tagging IEEE 802.3c Gigabit Ethernet 1000BASE-SX/LX IEEE 802.3c Gigabit Ethernet 1000BASE-SX/LX IEEE 802.3d Trunking (LACP) Management Password Management VLAN Admin Access Control via Radius and TACACS+ Web-based Graphical User Interface (GUI) Pyes Dual Software (firmware) Image Yes, based on protocols (SIP, H323 and SCCP) or on OUI bytes (default database and user-based OUIs) in the phone source MAC address Yes IEEE 802.1s Multiple Spanning Tree (RSTP) IEEE 802.1s Multiple Spanning Tree (MSTP) IEEE 802.1x Radius network access control Yes Yes Yes Yes Under Yes Yes Under Yes	WRR (Weighted Round Robin)	Yes
Auto Video Port Mirroring **IEEE Network Protocols** **IEEE 802.3 Ethernet **IEEE 802.3 Ethernet **IEEE 802.3 I 10BASE-T **IEEE 802.1 I 10BASE-T **IEEE 802.3 I 10BASE-T **IEEE 802.1 I 10BASE-T **	Strict Priority Queue Technology	Yes
Port Mirroring IEEE Network Protocols IEEE 802.3 Ethernet IEEE 802.3 Ethernet IEEE 802.3 I 10BASE-T IEEE 802.3u 100BASE-T IEEE 802.3ab 1000BASE-T IEEE 802.1D Spanning Tree (STP) IEEE 802.1s Multiple Spanning Tree (MSTP) IEEE 802.3z Gigabit Ethernet 1000BASE-SX/LX IEEE 802.3ac 10-Gigabit Ethernet 1000BASE-SX/LX IEEE 802.3ac Trunking (LACP) Management Password Management VLAN Password Management VLAN Admin Access Control via Radius and TACACS+ Web-based Graphical User Interface (GUI) PVes Dual Software (firmware) Image *IIEEE 802.1AB LLDP with ANSI/TIA-1057 (LLDP-MED) IEEE 802.1p Class of Service IEEE 802.1p C	Auto-VoIP	Yes, based on protocols (SIP, H323 and SCCP) or on OUI bytes (default database and user-based OUIs) in the phone source MAC address
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• IEEE 802.3 Ethernet • IEEE 802.3 i 10BASE-T • IEEE 802.3 u 100BASE-T • IEEE 802.3 u 100BASE-T • IEEE 802.1 D Spanning Tree (STP) • IEEE 802.1 s Multiple Spanning Tree (MSTP) • IEEE 802.3 x Full-Duplex Flow Control • IEEE 802.3 as 10-Gigabit Ethernet 1000BASE-SX/LX • IEEE 802.3 as 10-Gigabit Ethernet • IEEE 802.3 ad Trunking (LACP) Management Password Management VLAN Admin Access Control via Radius and TACACS+ Web-based Graphical User Interface (GUI) IEEE 802.1 as Multiple Spanning Tree (MSTP) • IEEE 802.1 x Radius network access control • IEEE 802.1 x Radius n	Port Mirroring	Yes
• IEEE 802.3i 10BASE-T • IEEE 802.3u 100BASE-T • IEEE 802.3u 100BASE-T • IEEE 802.3b 1000BASE-T • IEEE 802.1D Spanning Tree (STP) • IEEE 802.1s Multiple Spanning Tree (MSTP) • IEEE 802.3x Full-Duplex Flow Control • IEEE 802.1x Rapid Spanning Tree (RSTP) • IEEE 802.1x Radius network access control • IEEE 802.3a ac 10-Gigabit Ethernet 1000BASE-SX/LX • IEEE 802.3a ac 10-Gigabit Ethernet • IEEE 802.1x Radius network access control Management Password Management VLAN Password Management VLAN Admin Access Control via Radius and TACACS+ Web-based Graphical User Interface (GUI) Pyes IPv6 Management Yes Dual Software (firmware) Image	IEEE Network Protocols	
Password Management Configurable Management VLAN Yes Admin Access Control via Radius and TACACS+ Web-based Graphical User Interface (GUI) Yes IPv6 Management Yes Dual Software (firmware) Image Yes	• IEEE 802.3ae 10-Gigabit Ethernet	 IEEE 802.1p Class of Service IEEE 802.1D Spanning Tree (STP) IEEE 802.1s Multiple Spanning Tree (MSTP) IEEE 802.1w Rapid Spanning Tree (RSTP)
Configurable Management VLAN Admin Access Control via Radius and TACACS+ Web-based Graphical User Interface (GUI) IPv6 Management Yes Yes Pual Software (firmware) Image Yes	Management	
Admin Access Control via Radius and TACACS+ Web-based Graphical User Interface (GUI) IPv6 Management Yes Dual Software (firmware) Image Yes	Password Management	Yes
Web-based Graphical User Interface (GUI)YesIPv6 ManagementYesDual Software (firmware) ImageYes	Configurable Management VLAN	Yes
IPv6 Management Yes Dual Software (firmware) Image Yes	Admin Access Control via Radius and TACACS+	Yes
Dual Software (firmware) Image Yes	Web-based Graphical User Interface (GUI)	Yes
	IPv6 Management	Yes
Dual Configuration File Yes	Dual Software (firmware) Image	Yes
	Dual Configuration File	Yes



Management	GS724Tv4	GS748Tv5	
SNTP Client over UDP Port 123	Y	es	
SNMP v1/v2C	Y	es	
SNMP v3 with Multiple IP Addresses	Y	es	
RMON 1,2,3,9	Y	es	
Port Mirroring	Yı	es	
Many to One Port Mirroring	Y	es	
Cable Test Utility	Y	es	
SSL/HTTPS and TLS v1.0 for Web-based access	Y	es	
File Transfers (uploads, downloads)	TFTP /	/ HTTP	
HTTP Download (firmware)	Y	es	
Syslog (RFC 3164)	Y	es	
LEDs			
Per Port	Speed, Link, Activity		
Per Device	Per Device Power and Fan (GS748T only)		
Physical Specifications			
Weight (kg)	2.74 kg	3.46 kg	
Dimensions (WxDxH) mm	440 x 204 x 43 mm	440 x 257 x 43 mm	
Power Consumption (when all ports used, line-rate traffic and max PoE if applicable)			
Worst case, all ports used, line-rate traffic	17.4W	41.1W	
Environmental Specifications			
Operating			
Operating Temperature	32° to 122°F	(0° to 50°C)	
Humidity	90% maximum relative humidity, non-condensing		
Altitude	10,000 ft (3,000 m) maximum		
Storage			
Storage Temperature	- 4° to 158°F (-20° to 70°C)		
Humidity (relative)	(relative) 95% maximum relative humidity, non-condensing		
Altitude	0,000 ft (3,000 m) maximum		
Electromagnetic Emissions and Immunity			
	CE mark o	rommercial	

CE mark, commercial FCC Part 15 Class A, VCCI Class A Class A EN 55022 (CISPR 22) Class A

> Class A RCM EN 50082-1 EN 55024 CCC

Certifications



Safety	GS724Tv4	GS748Tv5	
Certifications	CE mark, commercial CSA certified (CSA 22.2 #950) UL listed (UL 1950)/cUL IEC 950/EN 60950		
Warranty and Support			
Hardware Limited Warranty	Limited	Lifetime*	
Lifetime 24x7 online Technical Support*	Limited	Lifetime*	
Lifetime Next-Business-Day (NBD) Replacement	Limited Lifetime*		
ProSUPPORT OnCall 24x7**	Category 1 PMB0311 (1 yr) PMB0331 (3 yr) PMB0351 (5 yr)	Category 1 PMB0311 (1 yr) PMB0331 (3 yr) PMB0351 (5 yr)	
Package Contents			
All models	Pow Rack r	imart switch er cord nount kit cion guide	
Ordering Information			
GS724T			
GS724T-400AJS	A	Asia	
GS724T-400EUS Europe		rope	
GS724T-400INS	24T-400INS India		
GS724T-400NAS	North America and Latin America		
GS724T-400PRS	China		
GS748T			
GS748T-500AJS	A	Asia	
GS748T-500EUS	Europe		
GS748T-500NAS	North America and Latin America		
GS748T-500PRS	China		
Optional Modules, Software License and Accessories			
GS724TAV-20000S Ethernet Audio/Video (EAV) software license for		software license for GS724T-400	
GS748TAV-20000S Ethernet Audio/Video (EAV) software license for GS748		software license for GS748T-500	
AGM731F	M731F 1000Base-SX SFP GBIC (Multimode)		
AGM732F	1000Base-LX SFP GBIC (Single mode)		
AGM734-10000S SFP Transceiver 1000BASE-T Copper RJ45 GBIC		ASE-T Copper RJ45 GBIC	
AFM735-10000S (GS748T only, for combo port only)	100Base-FX SFP LC GBIC		

^{&#}x27;This product comes with a limited warranty that is valid only if purchased from a NETGEAR authorized reseller, and covers unmodified hardware, fans and internal power supplies - not software or external power supplies, and requires product registration at https://www.netgear.com/business/registration within 90 days of purchase; see https://www.netgear.com/about/warranty for details. Intended for indoor use only.

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