ZEBRA










	AP 8232	AP 7532	AP 7522	AP 7502	AP 8222	TW 511	AP 8163	AP 7562	AP 7502E	AP 7522E
USAGE	Modular expansion capability to add 4G backhaul, Tri-radio Network and WIPs sensor, Environmental sensors. Ideally suited to single AP site deployments in retail. Also well suited for manufacturing and transportation markets.	Multi-role, high performance 802.11ac to unlock network capacity for high density mixed client types. The AP 7532 brings next generation wireless LAN to any vertical; general enterprise, retail, manufacturing, transportation & logistics, healthcare and hospitality, to name a few.	Multi-role, high performance and cost effective 802.11ac/802.11n access point. The AP 7522 serves multiple market segments with next generation wireless LAN. Ideally suited for manufacturing, T&L and other markets.	Multi-modal enterprise class wallplate 802.11ac access point. Dual radio, integrated BLE, integrated POE pass-through all in a small package. Designed for multi-tennant markets in hospitality, healthcare, classrooms and apartments.	High performance 802.11ac WI-FI in your most design-conscious environments. Retail stores, hotels, hospitals and schools.	Unique Wi-Fi over VDSL2 for affordable high-speed Wi-Fi in guest rooms. Leverages telephone wires to extend wireless LAN and value-added services such as LongRange Ethernet ports, High Definition IPTV, and Wi-Fi Location Awareness.	Rugged outdoor access point with resiliency , redundancy and high availabilty by design and automatically. Use the AP 8163 to create mobile MESH networks in freight transportation yards, commuter transportation, container shipping ports, mining operations.	Ruggedized high performance 802.11ac outdoor access point with high speed convergence MESH Connex technology. Used in freight and commuter transport, retail, manufacturing.	Part of the WiNG Express portfolio of access points designed for SMB markets. Multi-modal enterprise class wallplate 802.11ac access point. Leverage the tiny AP design for micro-cell networks in hospitality, healthcare, classrooms and apartments.	Part of the WiNG Express Portfolio of access points. Multi-role high performance and cost effective 802.11ac/802.11n access point. The AP 7522 serves multiple market segments with next generation wireless LAN. Ideally suited for manufacturing, T&L and other markets.
802.11 TECHNOLOGY	**802.11ac**	**802.11ac**	**802.11ac**	**802.11ac**	**802.11ac**	**T5 Wi-Fi over VD-SL2-802.11n**	**802.11n**	**802.11ac**	**802.11ac**	**802.11ac**
SPECIFICATION	• 802.11ac Dual Radio • 2.4GHz radio: 3X3 MIMO with 3 spatial streams, TurboQAM, 450 Mpbs • 5GHz radio: 3x3 MIMO with 3 spatial streams, 20, 40, 80MHz chan-nels, 1267Mbps • Dual band, dedicated Network sensor radio (optional)	• 802.11ac Dual Radio • 2.4GHz radio: 3X3 MIMO with 3 spatial streams, TurboQAM, 600Mbps • 5GHz radio: 3x3 MIMO with 3 spatial streams, 20, 40, 80MHz channels, 1267Mbps • Dedicated or RadioShare Network sensor	• 802.11ac Dual Radio • 2.4GHz radio: 2X2 MIMO with 2 spatial streams, TurboQAM, 400 Mpbs • 5GHz radio: 2x2 MIMO with 2 spatial streams, 20, 40, 80MHz channels, 867Mbps • Dedicated or RadioShare Network sensor	• 802.11ac Dual Radio • 2.4GHz radio: 2X2 MIMO with 2 spatial streams, 300Mbps • 5GHz radio: 2x2 MIMO with 2 spatial streams, 20, 40, 80MHz channels,867Mbps • Integrated Bluetooth Smart transceiver, PSE port supports 802.3af	• 802.11ac Dual Radio • 2.4GHz radio: 3X3 MIMO with 3 spatial streams, 450 Mpbs • 5GHz radio: 3x3 MIMO with 3 spatial streams, 20, 40, 80MHz channels, 1267Mbps	• 802.11n Single radio, dual band; 2.4Ghz or 5Ghz • 2.4GHz mode: 2x2 MIMO with 2 spatial streams, 300Mbps • 5GHz mode: 2x2 MIMO with 2 spatial streams, 300Mbps • DMT VDSL2, per line rate adaptation. IEEE G.997 band plans for extended range and bitrate	• 802.11n Tri Radio • 2.4GHz radio: 3X3 MIMO with 3 spatial streams, 450Mbps • 5GHz radio: 3X3 MIMO with 3 spatial streams, 450Mbps • Dedicated sensor radio supports ETSI DFS ScanAhead	• 802.11ac Dual Radio • 2.4GHz radio: 3X3 MIMO with 3 spatial streams, 450Mbps, Turbo mode (256QAM) on 2.4G band: up to 600Mbps) • 5GHz radio: 3x3 MIMO with 3 spatial streams, 20, 40, 80MHz chan-nels,1267Mbps • Dedicated or RadioShare Network sensor	• 802.11ac Dual Radio • 2.4GHz radio: 2X2 MIMO with 2 spatial streams, 300Mbps • 5GHz radio: 2x2 MIMO with 2 spatial streams, 20, 40, 80MHz channels, 867Mbps • Integrated Bluetooth Smart transceiver, PSE port supports 802.3af	• 802.11ac Dual Radio • 2.4GHz radio: 2X2 MIMO with 2 spatial streams, 300Mbps • 5GHz radio: 2x2 MIMO with 2 spatial streams, 20, 40, 80MHz channels, 867Mbps • Dedicated or RadioShare Network sensor
INTERFACE	2x IEEE 802.3 Gigabit Ethernet auto-sensing	1x IEEE 802.3 Gigabit Ethernet auto-sensing	1x IEEE 802.3 Gigabit Ethernet auto-sensing	3 x IEEE 802.3 10/100Mb auto-sensing---Uplink LAN Ethernet:1 x IEEE 802.3 Gigabit Ethernet auto-sensing	1x IEEE 802.3 Gigabit Ethernet auto-sensing	2 x IEEE 802.3 Fast Ethernet auto-sensing	2 ports (GE1, GE2) Auto-sensing 10/100/1000Base-T Ethernet; 802.3at on GE1 LAN port	2x IEEE 802.3 Gigabit Ethernet auto-sensing	3 x IEEE 802.3 10/100Mb auto-sensing---Uplink LAN Ethernet:1 x IEEE 802.3 Gigabit Ethernet auto-sensing	1x IEEE 802.3 Gigabit Ethernet auto-sensing
POWER	• 802.3af or 802.3at depending on selected operating mode • 48VDC optional	• 802.3af or 802.3at • 12VDC optional • ~14w power consumption	• 802.3af or 802.3at • 12VDC optional • ~12w power consumption	• 802.3af or 802.3at • 12VDC optional • ~7w power consumption	• 802.3af 802.3at • 48VDC optional • ~14w to 17w depending on selected operating mode	• Line powered from TS-524 Switch • 12VDC optional • ~6w power consumption	• 802.3at • 48VDC optional	• 802.3af or 802.3at • ~14w power consumption	• 802.3af or 802.3at • 12VDC optional • ~7w power consumption	• 802.3af or 802.3at • 12VDC optional • ~12w power consumption
PHYSICAL DESIGN	• Metal, plenum-rated housing (UL2043) • Includes mounting bracket for wall mount or T-bar • Other mounting clips sold separate • Above drop ceiling, under ceiling or on wall • Façade antenna or external antenna options	• Metal, plenum-rated housing (UL2043) • Includes mounting bracket for wall mount or T-bar • Other mounting clips sold separate • Above drop ceiling, under ceiling or on wall • Internal antenna or external antenna	• Metal, plenum-rated housing (UL2043) • Includes mounting bracket for wall mount or T-bar • Other mounting clips sold separate • Above drop ceiling, under ceiling or on wall • Internal antenna or external antenna	• Wall-mounted access point designed for installation in a structured cable junction box commonly found globally. AP measures 90mm x 95mm. • Includes decor trim • Plenum-rated housing (UL2043). All mounting hardware included	• Metal, plenum-rated housing (UL2043) • Includes mounting bracket for wall mount or T-bar • Other mounting clips sold separate • Above drop ceiling, under ceiling or on wall • Internal antenna	• Wall-mounted design leverages the existing RJ11 telecom plate already installed. Plastic housing with metal backplate and bracket. Install over an RJ11 wall jack, under a desk, or on any flat surface. Mounting bracket included	• Outdoor IP67 rated, die-cast aluminum, corrosion resistant enclosure, salt, fog, rust ASTM B117 • Vehicle mount points	• Outdoor IP67 rated, die-cast aluminum, corrosion resistant enclosure, salt, fog, rust ASTM B117 • Vehicle mount points	• Wall mounted access point designed for installation in a structured cable junction box commonly found globally. AP measures 90mm x 95mm • Includes decor trim • Plenum-rated housing (UL2043). All mounting hardware included	• Metal, plenum-rated housing (UL2043) • Includes mounting bracket for wall mount or T-bar • Other mounting clips sold separate • Above drop ceiling, under ceiling or on wall • Internal antenna or exter-nal antenna
PERFORMANCE FEATURES	• 802.11ac Channel Agility to maximize airtime fairness and throughput • Standard USB Interface for module attachments • Network sensor module for wireless intrusion and network health • 4G backhaul module • Environmental sensor	• High performance wire-less with dynamic 80MHz channel • Dual personality supports Dedicated Sensor mode or RadioShare Sensor	• Dynamic 80MHz channel • Dual personality supports Dedicated Sensor mode or RadioShare Sensor	• Dual radio 802.11ac/802.11n --2X2 MIMO with 256 QAM modulation	• 802.11ac Channel Agility to maximize airtime fairness and throughput	• Single radio 802.11n --2X2 MIMO with 64 QAM modulation • DS Plus VDSL2 profile increases bitrate up to 20%	• Resiliency by design: Backhaul Detection, Dual Radio Mesh, Radio Range, ETSI DFS Scan Ahead, ORLA, MeshConnex™. Increased range and throughput with beam-forming.	• Resiliency by design: Backhaul Detection, Dual Radio Mesh, Radio Range, DFS Scan Ahead, Mesh-Connex™ Increased range and throughput with beamforming	• Dual radio 802.11ac/802.11n --2X2 MIMO with 256 QAM modulation	• Dynamic 80MHz channel • Dual personality supports Dedicated Sensor mode or RadioShare Sensor

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