



PRODUCT SPECIFICATIONS:

MultiService Access Point / Model 320/Indoor (MAP-320)

Physical Specifications		
Interfaces	Radio: One IEEE 802.11a/b/g radio, software selectable Network ports: Two RJ-45, auto-sensing 10/100 BASE-T Ethernet	
Antennas	Two 2 dBi dual band 2.4/5 GHz omni directional antennas; Two reverse polarity male SMA with diversity	
Power	5 VDC positive tip DC coax connector or RJ-45 802.3af Power over Ethernet ; 6.5 Watts, max.	
Dimensions	H: 47.752 mm (1.88 in); L: 165.735 mm (6.65 in); W: 162.560 mm (6.400 in) 1.4 Kg (3.0 lbs)	
Environmental	Operating: 0° to 50°C Storage: -40° to 70°C Humidity: 5% to 95% typical (non-condensing)	
Compliance and Certification		
Radio Approvals	US: FCC Part 15.247, 15.407; Canada: RSS-210; EU: ETS 301 893, ETS 300 328 Japan: ARIB STD-T71, TELEC 33B; Korea: MIC; China: SRRC; Taiwan: DGT	
Safety Approvals and Other Compliance	IEC 60950, UL 1950 and 2043, CSA 22.2 No. 950-95, EN 60950, EN60601-1-2 RoHS compliant	
WiFi Certification (COS software v5.2)	IEEE 802.11a, IEEE 802.11b, IEEE 802.11g WPA and WPA2 Wireless Multimedia (WMM), WMM Powersave EAP-TLS, EAP-TTLS/MSCHAPv2, PEAPv0/EAP-MSCHAPv2, PEAPv1/EAP-GTC, EAP-SIM* IEEE 802.11d, IEEE 802.11h	
Radio Specifications	802.11a operation	802.11b or 802.11g operation
Frequency Bands	Available in accordance with country-specific regulatory approvals: 4.920–4.980 GHz; 5.150–5.350 GHz; 5.250–5.350 GHz; 5.470–5.725 GHz; 5.725–5.825 GHz	Availability in accordance with country-specific regulatory approvals: 2.412 – 2.462 GHz 2.412 – 2.484 GHz
Operating Channels	Configurable based on country regulations	Configurable based on country regulations
Data Rates	6, 9, 12, 18, 24, 36, 48, 54 Mbps	802.11b: 1, 2, 5.5, 11 Mbps 802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps
Receive Sensitivity (without antenna)	-87 dBm @ 6 Mbps -67 dBm @ 54 Mbps	802.11g: -87 dBm @ 6 Mbps; -70 dBm @ 54 Mbps 802.11b: -87 dBm @ 11 Mbps
Transmit Power (without antenna)	Transmit Power Control 18 dBm +/- 2 @ 6-24 Mbps 12 dBm +/- 2 @ 54 Mbps	802.11g: 18 dBm +/- 2 @ 6-24 Mbps 13 dBm +/- 2 @ 54 Mbps 802.11b: 18.5 dBm +/- 2 @ 1-11 Mbps

* In addition to the EAP methods tested by the WiFi Alliance, Colubris MAPs also support EAP-FAST and EAP-AKA.



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