



AX51 Anywhere Network Node Specification

Wireless	
Operating Frequency ¹	5.150 - 5.350 GHz 5.470 - 5.850 GHz
Modulation	OFDM: BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM DSSS: DBPSK, DQPSK, CCK
No. of Spatial Stream	2x2: 2 MIMO
Channel Bandwidth ¹	20/40/80 MHz Channel
Data Rate	287 Mbps (20MHz); 574 Mbps (40 MHz); 1201 Mbps (80 MHz)
Receive Sensitivity	-82 dBm (20 MHz); -79 dBm (40 MHz); -76 dBm (80 MHz)
Transmit Power ¹	25 dBm (Max)
Features	Spectrum Scan, Antenna Alignment
Antenna	
Connected To	Radio 0
Type	Built-in 5 GHz
Gain	17 dBi
Polarization	Vertical & Horizontal
Horizontal Beamwidth	16-20°
Vertical Beamwidth	18-22°
VSWR	2.0 (Max.)
Front-to-back Ratio	-28 dB (Min.)
Isolation	30 dB (Min.)
Network	
Topology	Point-to-Point (PtP), Point-to-Multipoint (PtMP), Daisy-chain and Ring
Redundancy	Flow-based Routing, Multiple Drop-off Point, Bonded Link
Mobility	Mobile Mode and Static Mode
Path Selection	Bandwidth-based Metrics Load Balancing, Traffic Load Aware Load Balancing
Traffic Optimization	BUM Traffic Management, L2 loop Detection and Prevention
Features	End-to-End Layer 2 Transparent, VLAN 802.11Q Pass-through, Node Recovery
Security	
Link Encryption	128-bit AES
End-to-End Encryption	256-bit AES
Client MAC Access Control	Whitelist ² , Blacklist
Neighbor MAC Access Control	Whitelist, Blacklist

Management	
User Interface	Anywhere Node Manager (A-NM) for A-OS
Support	Remote Firmware Upgrade, Network Time Sync, SNMP v1/v2c ² , MIB support ²
Hardware	
No. of Radio	1x5 GHz Radio
Network Interface	1x2.5GE & PoE Input Port (802.3at); 1x2.5GE Port
LED	PWR, ETH 0, ETH 1, RADIO 0
Power Supply	802.3at PoE Injector, DC 48-56V/1A
Power Consumption	12 W (Max.)
Antenna Movement	±30° Up/Down-tilt
Physical Characteristics	
Dimensions	242.6 × 219.2 × 77.2 mm (w/o Mounting)
Weight	1.785 kg (Net w/o Mounting); 2.565 kg (Net w/ Mounting); 3.305 kg (Gross)
Mounting	Pole Mounting (ø25 to ø75 mm), Wall Mounting; H/V or ±45° Slanted Mounting
Environmental	
Temperature	-35 °C to 60 °C (Operating)
Humidity	5% to 95 % Non-condensing
Elevations	86 to 106 kPa
Wind Loading	256 km/h (Max.)
Weatherproof	IP67, 2 kV Common Mode Surge Protection, IEC61000-4-2 (Criteria B) 8 kV Air, 4 kV Contact
Certification	
FCC, CE, RCM, OFCA	
Standard Warranty	
First year free limited hardware warranty and firmware upgrade. The 1/3/5-year extended warranties are available under specific purchase terms and conditions.	
Ordering Information	
Part Number	GE.AP-AX51-00
Description	AX51 Anywhere Network Node

¹operating frequency, transmit power and channel bandwidth vary by country/region settings

²available in the future updates

*to be confirmed

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