



AX52 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	Radio 1
Type	Built-in 5 GHz	External 5 GHz
Gain	17 dBi	Optional Antennas: 5 GHz 19 dBi Panel; More Options on Request
Polarization	Vertical & Horizontal	
Horizontal Beamwidth	16-20°	
Vertical Beamwidth	18-22°	
VSWR	2.0 (Max.)	
Front-to-back Radio	-20 dB (Min.)	
Isolation	28 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	2x5 GHz Radio
Network Interface	1x2.5GE & PoE Input Port (802.3at); 1x2.5GE Port
LED	PWR, ETH 0, ETH 1, RADIO 0, RADIO 1
Power Supply	802.3at PoE Injector, DC 48-56V/1A
Power Consumption	20 W (Max.)
Antenna Movement	±30° Up/Down-tilt
Physical Characteristics	
Dimensions	242.6 × 224.2 × 77.2 mm (w/o Mounting)
Weight	1.900 kg (Net w/o Mounting); 2.680 kg (Net w/ Mounting); 3.150 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-AX52-00
Description	AX52 Anywhere Network Node

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

²available in the future updates

*to be confirmed

Anywhere Networks is a brand name owned by P2 Mobile Technologies Limited. P2 Mobile Technologies Limited reserves the rights to change, modify, transfer or otherwise revise the publication and the product specification without notice. All scaling metrics outlined in this document are maximum supported values. The scale may vary depending on the deployment scenario and features enabled. Visit www.anywherenetworks.com or contact sales@anywherenetworks.com for more details.

Version: 24 Oct 2023