# AX52e Anywhere Network Node
## Specifications

### Wireless

| Wireless | |
|---|---|
| Operating Frequency[1] | 5.150 - 5.350 GHz<br>5.470 - 5.850 GHz |
| Modulation | OFDM: BPSK, QPSK,16QAM, 64QAM, 256QAM, 1024QAM<br>DSSS: DBPSK, DQPSK, CCK |
| No. of Spatial Stream | 2×2: 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

| Antenna | | |
|---|---|---|
| Connected To | Radio 0 | Radio 1 |
| Type | External 5 GHz | External 5 GHz |
| Gain | Optional Antennas:<br>5 GHz 19/23 dBi Panel; More Options on Request | |

### Network

| 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

| 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

| 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

| Hardware | |
|---|---|
| No. of Radio | 2×5 GHz Radio |
| Network Interface | 1×2.5GE & PoE Input Port (802.3at); 1x2.5GE Output Port |
| LED | PWR, ETH 0, ETH 1, RADIO 0, RADIO 1 |
| Power Supply | 802.3at PoE Injector, DC 48V/1A |
| Power Consumption | 20 W (Max.) |
| Antenna Movement | ±30° Up/Down-tilt |

### Physical Characteristics

| Physical Characteristics | |
|---|---|
| Dimensions | 235.0 × 224.2 × 61.2 mm (w/o Mounting) |
| Weight | 1.840 kg (Net w/o Mounting); 2.620 kg (Net w/ Mounting); 3.095 kg (Gross) |
| Mounting | Pole Mounting (ø25 to ø75 mm), Wall Mounting; H/V or ±45° Slanted Mounting |

### Environmental

| 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, Salt Mist EN 50155 Part 12.2.10* |

### Certification

FCC*, CE*, RCM*
EMC Rolling Stock Apparatus: EN 50121-3-2*
Environment, Safety and EMC: EN 50155*
Vibration and Shock: EN 61373 (Class 1B)*
EN 50155 Part 12.2.11*
Fire: EN 45545-2 (R25) Level 1 to 3, EN 60695-2-11*

### 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

| Ordering Information | |
|---|---|
| Part Number | GE.AP-AX52-E0 |
| Description | AX52e Anywhere Network Node |

[1]operating frequency, transmit power and channel bandwidth vary by country/region settings
[2]available 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: 09 Aug 2023