

## X10 Anywhere Network Node

### The Smart Choice of PtP Bridge

**Cost-efficient | Optimal Network Capacity | Ultra-high Reliable**



X10 Anywhere Network Node (A-NN) is a high-performance single 5 GHz radio wireless backhaul unit designed for last mile extension and cost efficient PtP link deployment. The X10 may operate with other multiple radios backhaul unit to build a daisy chain or a mesh network, and just a pair of X10 nodes simply offers a high speed wireless PtP bridge by using its built-in directional antenna!

#### Main Features

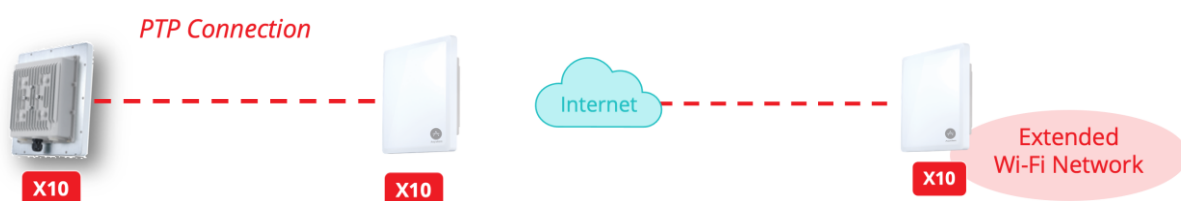
- 1 x 5 GHz
- Built-in antenna
- PtP and PtMP
- 400 Mbps real data throughput
- 20/40/80 MHz channel
- IP 67 weatherproof 6kV surge protection

#### Main Benefits and Applications

- **Optimal Network Capacity** Guaranteed network performance of true throughput and data transmission speed as the entire link's capacity is fully reserved between the two network points.
- **Enhanced Reliability and Security** Single radio in one network path enabling maximum data transmission from both ends.
- **Effective Internet Connectivity** Extended network coverage by easy-to-deploy PtP link enabling instant internet access in remote/temporary areas
- **Constant Communication with Excellent Transmission Output** best suit for data transmission in audiovisual form such as video and audio conferencing, for high quality output.
- **Ultra-rapid deployment** PtP connection could be set up in an hour (a day)
- **Cost Efficient PtP Networking** significantly save money and time comparing to costly fibre deployment and maintenance

**Best for one-way critical-mission applications demanding high-speed massive data transmission, such as live and recorded video via CCTV feeds, agricultural data analytics, ...etc**

## Deployment Architecture



## X10 Anywhere Network Node Specifications

Wireless		
Operating Frequency <sup>1</sup>	5.150 - 5.350 GHz 5.470 - 5.850 GHz	
Modulation	OFDM: BPSK, QPSK,16QAM, 64QAM,256QAM DSSS: DBPSK, DQPSK, CCK	
No. of Spatial Stream	2×2: 2 MIMO	
Channel Bandwidth	20/40/80 MHz Channel	
Data Rate	173 Mbps (20MHz); 400 Mbps (40 MHz); 867 Mbps (80 MHz)	
Receive Sensitivity	-91 dBm (20 MHz); -88 dBm (40 MHz); -85 dBm (80 MHz)	
Transmit Power	27 dBm (Max)	
Features	Spectrum Scan, Antenna Alignment	
Antenna		
Connected To	Radio 0	Radio 1
	n/a	Built-in Antenna
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	
Path Selection	Bandwidth-based Metrics Load Balancing, Traffic Load Aware Load Balancing	
Traffic Optimization	BUM Traffic Management	
Features	End-to-End Layer 2 Transparent, VLAN 802.11Q Pass-through, Node Recovery	
Security		
Link Encryption	128-bit AES	
Client MAC Access Control	Whitelist <sup>2</sup> , 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 <sup>2</sup> , MIB support <sup>2</sup>
Hardware	
No. of Radio	1x5 GHz Radio
Network Interface	1xGE & PoE Port
LED	RUN; LAN; RADIO 0; RADIO 1
Power Supply	802.3at PoE Injector
Power Consumption	25 W (Max.)
Antenna Movement	±30° Up/Down-tilt
MTBF	350,000 hours (50 °C)
Physical Characteristics	
Dimensions	270 × 270 × 80 mm (w/o Mounting)
Weight	1.86 kg (Net w/o Mounting); 2.39 kg (Net w/ Mounting); 2.66 kg (Gross)
Mounting	Pole Mounting (ø40 to ø52 mm)
Environmental	
Temperature	-40 °C to 65 °C (Operating)
Humidity	5% to 95 % Non-condensing
Elevations	86 to 106 kPa
Wind Loading	256 km/h (Max.)
Weatherproof	IP67, 6 kV Common Mode Surge Protection
Certification	
FCC, RCM, KC	
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-X100-00
Description	X10 Anywhere Network Node

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

<sup>2</sup>available in the future updates

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