



Millimeter Wave (MMW) Point to Point offering up to 1 Gbps Full Duplex throughput

Aperto's newest addition to its line of Point to Point bridges operates in the Unlicensed 60 GHz range. The **GB60** Series of Wireless LAN products are available in multiple antenna options, allowing for range and flexibility. These versatile and cost-effective units are ideal for high bandwidth Point-to-Point Enterprise, Mission Critical Applications.

The **GB60** series boasts a high performance radio that offers fibre like latency at ranges of up to 1.5 KM.

The all-in-one design features an integrated antenna, Fibre or Ethernet Interfaces, Signal and Status LEDs, and flexible mounting option.

The ruggedized weatherproof design meets IP67 environmental standards, requiring minimal installation and maintenance costs and is ideal for conditions ranging from -30 °C to +70 °C. The **GB60** is also backed by **1-Year Parts and Labour Warranty** and **Lifetime Technical Support** for worry-free network operation.



Applications

- Campus and Enterprise
- Medical Imaging
- Mobile Wireless Backhaul
- Private Networks
- Security and Surveillance
- IPTV Broadcast

Key Features

- Full duplex Gigabit Ethernet throughput.
- Auto Failover Support
- Layer 2 Transparent
- Up to 1Gbps Data Rate
- Up to 58 dB of Total EIRP with Adjustable Output
- Antenna options up to 48 dBi
- Less than 20W Power Draw
- SNMP Monitoring with Traps
- Telnet, SNMP v2c
- HTTP/ Web Server
- Power-over-Ethernet (POE)
- Web-Based Management Tools
- Remote Firmware Upgrade
- Weatherproof Enclosure



Radio Interface	
Frequency Range	57 GHz to 64 GHz, subject to local regulations ⁽¹⁾
Radio Modes	Point-to-Point
Transmit Power (Total)	Up to +10 dBm, subject to local regulations ⁽¹⁾
Antenna Polarization	Horizontal/Vertical

RF Information						
Model No. ⁽¹⁾	Type	EIRP	Wind Load (N)		-3dB Beamwidth	
			100 mph	125 mph	Azimuth	Elevation
GB60-42	42 dBi 30 cm Antenna	+52 dB	88	136	1.2	1.2°
GB60-48 ⁽¹⁾	48 dBi 60 cm Antenna	+58 dB	350	545	0.7°	0.7°

Networking and Management	
Device Management	Web-Based Management, Remote Configuration and Firmware Upgrades (via IP), Backup/Restore Configuration, Telnet, SNMP v1/2c with Traps
Protocols	802.3z (Gigabit Ethernet)
Ethernet	1 x 100/1000Base-T (Water-Tight RJ-45) for data, 1 x 100/1000Base-T with POE for Management
Fiber Interface	Standard fiber SFP (1000Base-SX/LX)

Electrical Specifications	
Power Requirement	20 Watts (max)
Power Supply	Passive Power over Ethernet (POE) or optional 48 Volt
DC Adapter	24VDC/0.5A (INPUT: 100-240VAC~ 50-60Hz, 0.5A) 48V Telecom DC option available
LED Indicators	Power (1), LAN (1), Signal Strength (4)
RF ESD Protection	15KeV

Compliance and Warranty	
Export Control	EAR 99
Compliance & Approvals	RoHS, FCC Part 15 Subparts B/C, Industry Canada, (f Domain) ETSI/CEPT: EN302-217-3 V1.3.1; EN302-217-4-2 V1.5.1; EN301-489, EN60950-1; EN61000-3, EN61000-4; ECC/REC(09)01; Germany: Amtsblatt 217/2008; Austria: FSB RR072; Switzerland: RIR0302-46; Australia: LID Class License 2000, schedule 1, item 51 European Commission OSN #5935
Warranty	1-Year Parts and Labor

Mechanical and Environmental	
Radio Dimensions	280 x 180 x 100 mm
Radio Weight	6 kg
Installation Hardware (included)	PoE Injector with Built-in Surge Protection, DC Adapter, Boot Cover with Weatherproof Gasket, mounting/alignment assembly Pole Mount
Environmental Rating	Weatherproof IP66 Enclosure
Operating Temperature	-30°C to +70°C
Storage Temperature	-35°C to +90°C

Ordering Info	Antenna	Interface	Domain	DC
GB60	42- 42 Dbi 30 cm 48- 48 Dbi 60 cm (FCC Only)	mm- Multimode Fiber sm- Single mode Fiber rj- 10/100/1000 Copper	f- For US / Can c- For Rest of Europe au- For Australia ⁽¹⁾ g- For Germany/Austria/Switzerland ⁽¹⁾	Blank 24V 48 – 48 Volt

⁽¹⁾ g and au models are limited by regulation to 59 GHz to 63 MHz with a 55 dBm cap, therefore throughput is limited to 635 Mbps on these models. Specifications are subject to change without notice. Tranzeo and the Tranzeo logo are registered trademarks of Tranzeo Wireless Technologies Inc. All other trademarks mentioned herein are the property of their respective owners.

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