

PoE Gateway Platforms Proven interoperability with a variety of Wi-Fi radios

PG1010A-00 PoE Gateway Platform with Integrated DOCSIS Cable Modem

- Integrated DOCSIS 1.1 and 2.0 compliant (available for North America and Euro-DOCSIS versions)
- 10/100 Base-TX auto-negotiating Ethernet PoE port
- Common RF/powering port
- -10 to +17 dBmV input level
- Attenuator pad for RF port
- RF and DC test points
- Built-in visual status indicators

PG1110A-00 PoE Gateway Platform with Integrated Fast Ethernet Transceiver

- Proprietary TDM optical transport with support for 10 or 40 km 1310 nm SFP optics, 60 km CWDM SFP optics, or 100 km DWDM optics
- One 2.125 Gbps fiber network port with plug-in transceiver modules
- Dual 10/100 Base-TX auto-negotiating Ethernet PoE ports
- Remote monitoring with Aurora's Opti-Trace EMS

PG1210A-00 PoE Gateway Platform with Fast Ethernet over CWDM

- CWDM transport with support for 60 km fiber links
- Configurable with 125 Mbps SFPs for either dual fiber or single fiber applications
- 15 CWDM wavelengths (1271 to 1351 and 1431 to 1611 nm, ITU-grid G.694.2 compliant)
- Dual 10/100 Base-TX auto-negotiating Ethernet PoE ports
- Built-in visual status indicators

Common Specifications for All PoE Gateway Platforms

Physical:

Dimensions: 10.2"L x 7.7"W x 5.4"H
(26 x 20 x 14 cm)
Weight: ~8.0 lbs (~3.6 kg)
Strand or Pedestal Mounting

Environmental:

Operating temperature range:
-40° to +85° C (-40 to +185 F)

Power Requirements:

Operating input voltage: 40 to 100 Vrms
(47 to 63 Hz quasi-square wave)

PoE Output:

Output voltage: -48.0 Vdc
Output power: 38 to 43 W
(configuration dependent)

Standard outdoor-rated CAT-5 service cables may be ordered separately to connect PG1000 series Power Gateway Platforms with outdoor radio units.

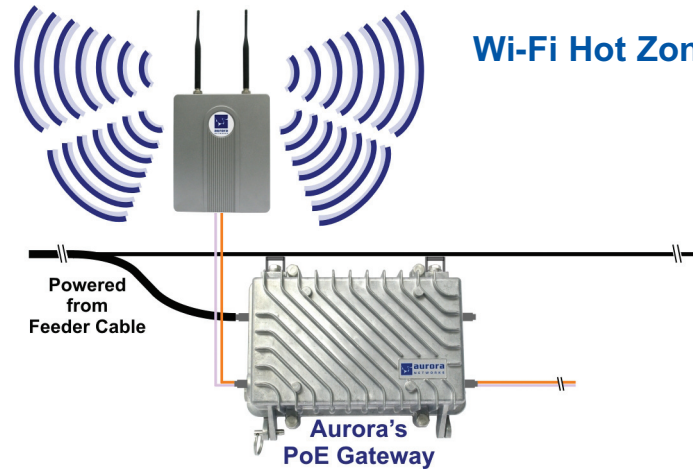


Aurora's Wireless Backhaul Solutions



A whole new light, growing brighter!

Deliver industry standard 802.11 wireless services to an extended geographic area with Aurora's proven broadband backhaul technologies.

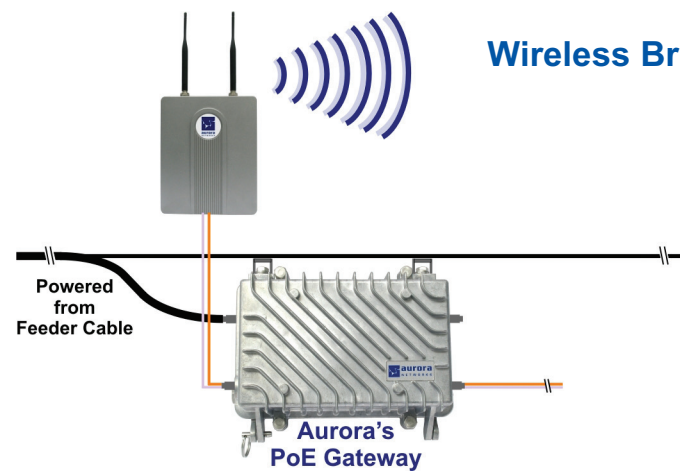


Wi-Fi Hot Zone or Municipal Metro Mesh Networks

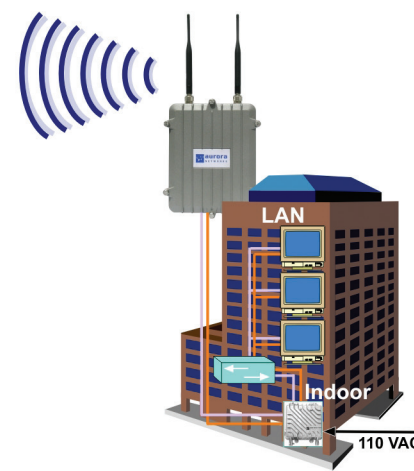
Cable operators can heighten the subscribers' broadband experience outside of the home or business by creating public hot zones or municipal metro mesh networks. Wireless technology offers a supplemental means for delivery of voice, video and data services.

Point-to-point and point-to-multipoint wireless connections can be used to establish virtual Ethernet links between two or more sites.

While large number of businesses are within a short distance of the cable plant, many cannot be readily served due to local building codes, landlord restrictions or the high cost of installing a fiber drop. Aurora's wireless solutions overcome these hurdles by taking advantage of existing HFC infrastructure while preserving customer provisioning, service level agreements and management just like in the wired environment. Aurora's wireless products are designed to be rapidly deployed and managed by field engineers using existing network management systems.



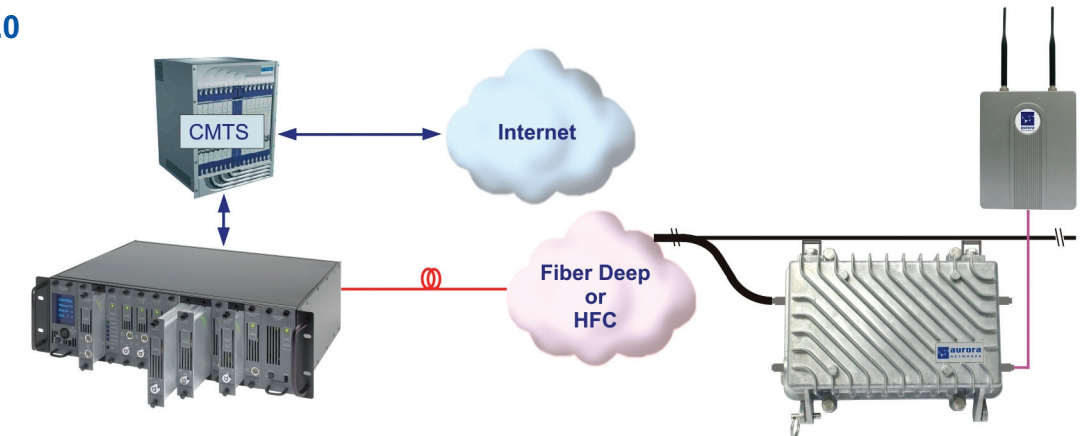
Wireless Bridging



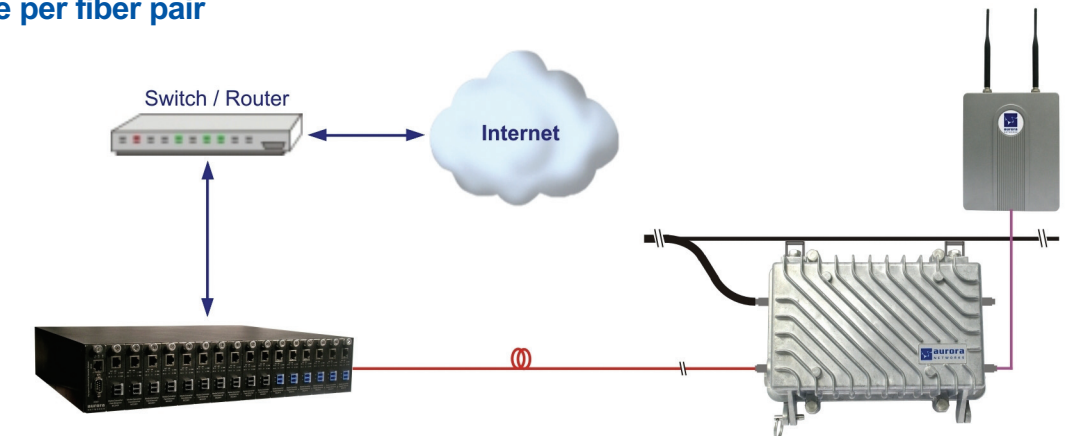
Backhaul Technologies

Support for access points, security cameras or any PoE-like device

■ DOCSIS 1.1 & 2.0



■ Optical Ethernet over dedicated CWDM, scaling to 30 access points or a PoE-like device per fiber pair



■ TDM channelized optical Ethernet over DWDM, supporting up to 1280 access points or a PoE-like device per fiber pair

