The Ganz® GWave industrially hardened wireless Ethernet transmission link can be configured through the embedded User Interface as a Client or as an Access Point. This point-to-multipoint model allows multiple Ethernet endpoints to be connected to a central Access Point. Up to 15 endpoints can be linked to a central access point. The GW1 supports up to 95Mbps throughput using MIMO technology. The units can be powered by an IEEE 802.3af/at PoE compliant device or through the supplied power injection module. The GW1 is FCC certified for use in North America.
GW1

Industrially Hardened Point-to-Multipoint Wireless Ethernet Link

**SPECIFICATIONS**

### Wireless Radio
- **EIRP**: +4dBm to +17dBm, or adjustable from +4 to 26dBm with MAC-lock enabled
- **RF Output**: +26dBm Rated Transmitter
- **Operational Frequency**: 5500GHz - 5825GHz, Region-dependent.
- **Bandwidths**: 10, 20, and 40MHz

### Standard Internal Antenna
- **Antenna**: Internal 19dBi Dual Polarized Directional
- **Gain**: 19dBi
- **Azimuth**: 17° Horizontal/Vertical
- **Elevation**: 17° Horizontal/Vertical

### IA870 Optional Internal Antenna
- **Antenna**: Internal 8dBi Dual Polarized Directional
- **Gain**: 8dBi
- **Azimuth**: 70° Horizontal/Vertical
- **Elevation**: 30° Horizontal/Vertical

### Connectors
- **10/100 Ethernet**: RJ-45, Sealed Cable Gland

### Indicating LEDs
- **Power On**, **Ethernet Link**, **Signal Strength**, **LAN port**, **Reset**

### Software Features
- **Addressing**: Static IP / DHCP Client / DHCP Server
- **SNMP**: V2c
- **Spanning Tree Protocol** support
- **Telnet Server**
- **Syslog**
- **802.1x Port-Based Network Access Control**
- **NTP Client**
- **User-Configurable Watchdog and Auto-Reboot Mechanism**
- **Multi-Level Configuration and Monitoring Login Accounts**
- **User Configurable Long Range Parameters**

### Power
- **Operating Voltage**: +24VDC @ 140mA
- **Power Consumption**: 3.5W Max
- **PD Power**: IEEE802.3af PD compliant

### Mechanical
- **Size (L × W × H)**: 10.0 × 10.0 × 3.4 in (25.7 × 25.7 × 8.6 cm)
- **Shipping Weight**: <2lbs/0.9kg

### Environmental
- **MTBF**: >100,000 hours
- **Operating Temp**: -40° C to +75° C
- **Storage Temp**: -40° C to +85° C
- **Relative Humidity**: 5% to 95%

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**ORDERING INFORMATION**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GW1</td>
<td>Industrially Hardened Point-to-Multipoint Wireless Ethernet Link, Supports distances up to 2 mi/3.2 km, FCC certified for North America</td>
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</tbody>
</table>

**Included Accessories**
- Power Kit with Power Supply and Passive Power Injector
- Mounting Hardware Kit
- GWBKKT - Articulating Wall or Pole Mounting Kit. Supports up to 3in/76mm diameter poles. (Sold Separately)

**Options**
- Add /IA870 for 8dBi/70° beamwidth internal antenna option (Recommended for multipoint Access Points. Extra charge, consult factory.)
- Add /EXA for no internal antenna, with N-Type connections for External Antenna options
- Add ‘/C’ for Conformally Coated Circuit Boards (Extra charge, consult factory)

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CBC AMERICAS Corp.
GW1

TYPICAL APPLICATION

Industrially Hardened Point-to-Multipoint Wireless Ethernet Link

LEGEND

WIRELESS
CAT5
POWER
ETHERNET DATA

GW1 (Client)  PIM or other PSE device  Power
Ethernet  Ethernet  Ethernet
GW1 (Client)  PIM or other PSE device  Power
Ethernet  Ethernet  Ethernet
GW1 (Client)  PIM or other PSE device  Power
Ethernet  Ethernet  Ethernet

PC  DVR  Ganz Gigabit Managed Switch with 30W PoE+  GW1/IA870 (Recommended Access Point)

All specifications are subject to change without notice.