The Ganz® GWAVE pre-configured point-to-point industrially hardened wireless Ethernet Transmission kit that allows Ethernet data to be transmitted between a Client remote location and the Access Point or head end. The GWK1 supports up to 95Mbps throughput due to MIMO technology. An easy to read LED array displays unit operational status along with received signal strength ensuring optimal installation and operation. The units can be powered by an IEEE 802.3af/at PoE compliant device or through the supplied power injection module. The GWK1 is FCC certified for use in North America. Each kit contains two passive power injectors, power supplies and mounting hardware.

**FEATURES**

- Lifetime Warranty
- Up to 95Mbps Throughput
- 802.11a/n Compliant
- Distances up to 2 mi
- Powered by the included power injection module or by an IEEE 802.3af/at PoE compliant device
- Pre-configured Access Point and Client units for quick setup
- Environmentally Hardened -40º to +75ºC
- Meets class IP67 dust and water immersion protection standards
- Secure transmission: WPA2 – AES or TKIP encryption
- Ganz Antenna alignment feature eases installation and setup
- RF Spectrum Survey Tools
- Antenna Alignment Tools
- LED array displays unit operational status along with received signal strength

**APPLICATIONS**

- Simple to deploy and cost-effective alternative to physical connections to Ethernet edge equipment
- Integration of Ethernet where right-of-way issues mandate wireless communications
- ITS traffic signalization networks and Video Detection Systems (VDS)
- ITS roadside and city center CCTV surveillance, and surveillance of high-value or mission-critical assets
- Wireless communications in manufacturing, petrochemical refineries, wastewater treatment facilities, and other industrial automation and control applications operating in harsh or out-of-plant environments
- Electrical substation video and perimeter surveillance
**GWK1**

**Industrially Hardened Point-to-Point Wireless Ethernet Kit**

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**Wireless Radio**
- **EIRP**: +4dBm to +26dBm
- **RF Output**: +26dBm Rated Transmitter
- **Operational Frequency**: 5500GHz - 5825GHz, Region-dependent.
- **Bandwidths**: 10, 20, and 40MHz

**Wireless Antenna**
- **Antenna**: Internal 19dBi Dual Polarized Directional
- **Gain**: 19dBi
- **Azimuth**: 17º Horizontal/Vertical
- **Elevation**: 17º Horizontal/Vertical

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

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

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**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**: 3.5 W
- **Power PD**: 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**: < 4lbs/1.8kg

**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>
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</thead>
<tbody>
<tr>
<td>GWK1</td>
<td>Industrially Hardened Point-to-Point Wireless Ethernet Kit, distances up to 2 mi/3.2 km. Consult Ganz tech support for system designs beyond 2 mi/3.2 km. FCC certified for North America</td>
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</tbody>
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**Included Accessories**
- 2 × Power Kit with Power Supply and Passive Power Injector
- 2 × Mounting Hardware Kit

**Options**
- GWBKT - Articulating Wall Mount Bracket (Sold Separately)

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**TYPICAL APPLICATION**

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*All specifications are subject to change without notice.*