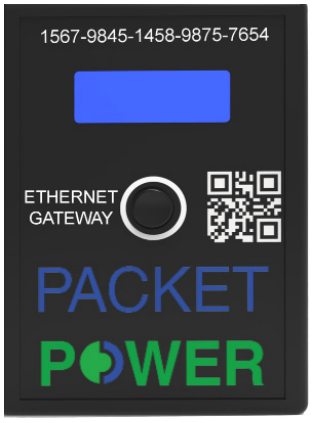
Ethernet Gateway

PACKETPOWER

Secure, scalable wireless monitoring

Ethernet Gateways collect monitoring data from Packet Power wireless monitoring devices and make it accessible over your data network. Gateways are simple to install, easy to use, secure and scalable. Our self-configuring, self-optimizing network makes adding monitors easy.

Gateway Features



Mounting bracket with DIN rail clip

- Uses a purpose-built wireless protocol to maximize security
- Supports up to 150 Packet Power environmental and power monitors per Gateway
- Automatically adapts when monitoring units are added or removed
- Multiple Gateways can be added to increase network capacity and provide redundancy
- Automatically balances loads when new Gateways are added
- Advanced Modbus integration supports thousands of monitors per site
- Virtual IP address capability simplifies SNMP integration
- "Master" capability simplifies integration in multi-Gateway installations by making all data accessible from one Gateway
- "Monitor" mode allows data to be shared selectively across two completely isolated Ethernet networks
- Provides a sophisticated panel circuit mapping tool
- Supports wireless firmware updates to all monitoring devices
- Includes bracket for standalone mounting or the use of standard DIN rail, cable ties or adhesive pads

Models

	Modbus TCP/IP	SNMP	EMX only
Small Sites	GW04-00ML	GW04-00SL	GW04-000L
Standard	GW04-00ME	GW04-00SE	GW04-000E

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Technical Specifications

Communications

Operating frequency	860 to 930 MHz and 2.4 GHz (frequency used varies by region)
Wireless protocol	Frequency hopping self-configuring load-balancing mesh
Wired network protocol	Ethernet with SNMP and Modbus TCP/IP optional
Firmware updates	Wireless
Typical transmission range	10 to 30 meters indoors between any two devices in mesh network
Antenna	Fully enclosed, fixed configuration
Monitoring unit to gateway ratio	Up to 150 monitoring units per gateway
Gateways per site	Unlimited
Multi-site support	Yes
Encryption	AES 128-bit
Compatible devices	All Packet Power monitoring units
Local display	LCD for status and configuration; LED for general device status

Environmental & Mechanical

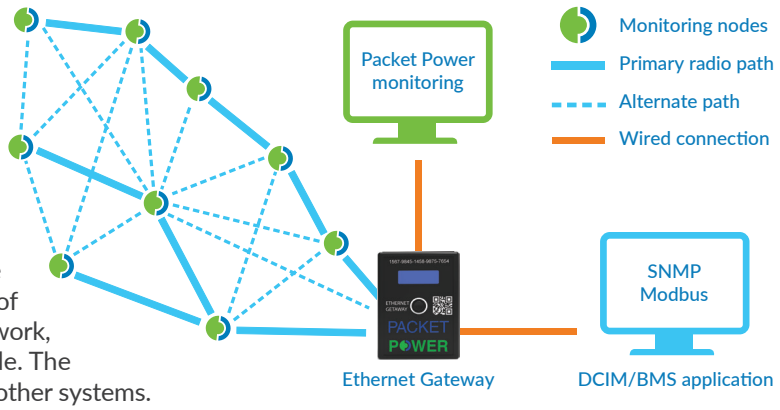
Operating temperature	0° to 40°C (32° to 104°F)
Operating humidity	10% to 90% non-condensing
Environmental rating	Indoor use / NEMA 1
Gateway size	Dimensions: 76mm x 94mm x 31mm; Weight: 136g (4.8 oz)
Placement	Top of server cabinet, under cable raceway, under raised floor
Mounting options	DIN rail, screw, cable tie
External power supply	100 to 240V AC input; 50/60 Hz (5V DC) output
Plug types	C14, NEMA 5-15, CEE-7 Schuko, AS/NZS 3112 2000, BS 1363A, BS 546A, China CPCS-CCC
Power consumption	3W
Power over Ethernet	Available, requires an external PoE splitter
Certifications	FCC, IC, CE; consult Packet Power for additional certifications

Packet Power Wireless Mesh

The most proven wireless monitoring system for data centers worldwide

Packet Power's self-configuring mesh network makes installation simple. Adding new monitors and gateways is easy as the system automatically configures and manages itself. Because the system determines the optimal path for every transmission, performance stays consistent even as the network grows.

The unique wireless monitoring protocol is different than WiFi or Zigbee and was purpose-built for data centers. It uses 900 MHz and 2.4 GHz frequencies that can only be used for monitoring. It allows for a complete separation of the wireless monitoring network from the wired data network, supports full encryption and is certified for use worldwide. The resulting mesh network is more resilient and secure than other systems.



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