 DAXTEN®

 PacketPower

EG3 Wire-free Ethernet Gateway

The **EG3 Wire-free Ethernet Gateway** forms the heart of the wire-free monitoring solution for power usage and environmental conditions from Packet Power. What makes the EG3 and Packet Power different from any other monitoring solution is the simplicity of installation, ease of use and scalability. A single EG3 Gateway can support a network of up to 300 Packet Power wire-free monitoring devices. The gateway uses the SNMP or Modbus TCP/IP protocol to transfer all measurement data from the power and environmental monitoring units to the Packet Power EMX portal or third party BMS and DCIM applications. Adding monitoring units is simple with the network automatically detecting and self-configuring new devices. Multiple gateways can be used for redundancy or capacity and will automatically balance the network load.

DETAILS

EG3 Wire-free Ethernet Gateway Modules

PP-GW03-0000   Use with EMX-Software (local or cloud)

PP-GW03-00MS   Single-gateway, Modbus TCP/IP, data transfer to EMX, BMS or DCIM, supports up to 300 monitoring units

PP-GW03-00ME   Multi-gateway, Modbus TCP/IP, data transfer to EMX, BMS or DCIM, supports up to 300 monitoring units

PP-GW03-00SS   Single-gateway, SNMP solo, virtual IP address, data transfer to EMX, BMS or DCIM, supports up to 300 monitoring units

PP-GW03-00SE   Multi-gateway, SNMP enterprise, virtual IP address, data transfer to EMX, BMS or DCIM, supports up to 300 monitoring units

MONITORING UNITS SUPPORTED BY EG3 GATEWAYS

Environmental Monitors for humidity, temperature and differential pressure data

Integrated monitoring units for collecting power data

Smart Power Cables with integrated wire-free technology for power monitoring

COMMUNICATIONS	
Operating frequency	From 860 to 920 MHz, 2.4 GHz (specific frequency used varies by region)
Wireless protocol	Frequency hopping, self-configuring, load-balancing mesh network, no WiFi
Wired network protocol (gateway only)	TCP/IP (one IP address needed per gateway) with SNMP and Modbus support (depending on model)
Firmware updates	Wire-free
Typical transmission range	10 to 50m indoors from one monitoring device to any other, depending on structural conditions
Monitoring unit to gateway ratio	Up to 300 monitoring units depending on desired data collection rate and gateway model
Multi-site support	Yes
Gateways per site	Unlimited
Encryption	Optional, 128-bit
Display LCD	Configuration and status
Display LED	General device status
OPERATING ENVIRONMENT	
Operating temperature	0 to 40°C (+32° to +104°F)
Operating humidity	10 to 90%, Non-condensing
Water and dust resistance	Indoor use
Size and weight	65 x 65 x 28 mm, 65g
External power supply	100-240V, 50-60Hz, 5 VDC output, 72 x 43 x 29mm
Power consumption	0.7W
Safety standards	EN60950, UL60950, IEC60950
Plug types	NEMA 5-15, CEE-7 Schuko, AS/NZS 3112 20000, BS 1363A, C14, BS 546A
Power over Ethernet	Optional. Requires external PoE splitter on a PoE enabled switch. If the switch does not provide native PoE support, a PoE injector is also required.
Certifications	FCC, UL, CE