

The ConnectPort X with Wireless M-Bus family enables energy service providers to communicate with electricity, gas and water meters that are completely managed by the Digi gateway over a high speed cellular or Ethernet connection. This allows energy service providers to enable innovative Smart Grid services. Once a Wireless M-Bus Smart Meter is installed, the gateway can join that network providing programmable energy services in the home and communication paths over public networks for enhanced energy service offerings.

The product family includes the Ethernet-to-Wireless M-Bus ConnectPort X2, and cellular-to-Wireless M-Bus ConnectPort X4 and ConnectPort X8. ConnectPort X gateways with Wireless M-Bus feature easy-to-use local customizable open scripting standards via Python. This allows customers to leverage the in-home processing capability of the gateway to optimize their energy service offerings. The gateways also include extensive protocol support including UDP/TCP, DHCP and SNMPv1.

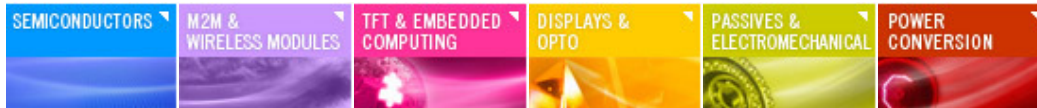
ConnectPort® X2 with Wireless M-Bus

Low-cost Wireless M-Bus enabled gateway



- Low-cost gateway operates on European license-free 868 MHz ISM band
- Wireless M-Bus protocol complies with EN13757-4:2005 standards
- Supports AES128 data encryption for secure communications
- Facilitates enhanced service offerings
- Includes Python® for local applications; Upgradable to iDigi™ Energy

The ConnectPort X2 with Wireless M-Bus provides a secure, reliable connection that adds monitoring capabilities between a Home Area Network (HAN) and an energy service provider's management infrastructure. The gateway incorporates the Wireless M-Bus standard (EN13757-4:2005), which defines the communications protocol between devices such as water, gas, heat and electricity meters, in-home displays and concentrators. The ConnectPort X2 with Wireless M-Bus enables energy service providers to deploy HAN devices such as in-home displays, ideal for today's smart grid initiatives.



Specifications	ConnectPort® X2 with Wireless M-Bus
General	
Management	HTTP/HTTPS web interface, Password access control, IP service port control
Protocols	UDP/TCP, DHCP, SNMPv1
LEDs	Ethernet status, Power
Security	SSL tunnels
Dimensions (L x W x H)	2.81 in x 2.74 in x 1.30 in (7.14 cm x 6.96 cm x 3.30 cm)
Weight	0.20 lb (0.09 kg)
Performance	
RF Data Rate	Up to 66 Kbps
Frequency	868 MHz
Range/Line-of-Sight	Up to 700 m
Output Power	10 dBm (50 ohms)
Development	
Python Version	2.4.3
Memory (User-available memory varies by firmware and OS version)	8 MB RAM, 4 MB Flash
Ethernet	
Ports	1 RJ-45 port
Physical Layer	10/100Base-T
Data Rate	10/100 Mbps (auto-sensing)
Mode	Full or half duplex (auto-sensing)
Power Requirements	
Power Input	5VDC power supply with barrel connector included
Power Consumption	Idle: 1.2 W, Max: 3.4 W
Surge Protection (with included power supply)	4 kV burst (EFT) per-4-4, 2 kV surge per EN61000-4
Environmental	
Operating Temperature	-30° C to +70° C (-22° F to +158° F)
Relative Humidity	5% to 95% (non-condensing)
Ethernet Isolation	1500VAC min per IEEE802.3/ANSI X3.263
Regulatory Approvals	
Safety	EN60950
Emissions/Immunity	CE and EN 300220, EN 301489, EN 60950, EN 50371