



INDUSTRIAL-
GRADE XBEE® TO
IP GATEWAYS



CONNECTPORT® X2

Customizable, low-cost XBee® to Ethernet gateways offer easy IP networking of RF devices and sensor networks

ConnectPort X2 is a small XBee to Ethernet gateway that provides low-cost IP networking of RF devices and sensor networks. Featuring an easy development environment, ConnectPort X2 enables custom applications to run locally while interfacing across existing Ethernet networks for WAN connectivity to the internet.

ConnectPort X2 products feature an end-to-end development environment based on local customization via Python, allowing for rapid M2M-specific application development on the industry standard Python scripting engine. Digi ESP™

provides an IDE featuring device detection, debugging, compiling and downloading of Python code to Digi gateways.

Digi Device CloudSM provides a platform for the design, testing and deployment of M2M solutions. Using Device Cloud, developers are able to seamlessly integrate remote devices and device data into business applications and processes.

BENEFITS

- XBee to Ethernet IP gateways support numerous XBee protocols
- Industrial grade enclosures for rugged environments
- Device Cloud for secure, scalable access to an unlimited number of remote assets and seamless web services integration from Digi gateways into customer back office applications

RELATED PRODUCTS



Modules



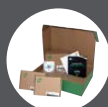
Adapters



Range Extenders

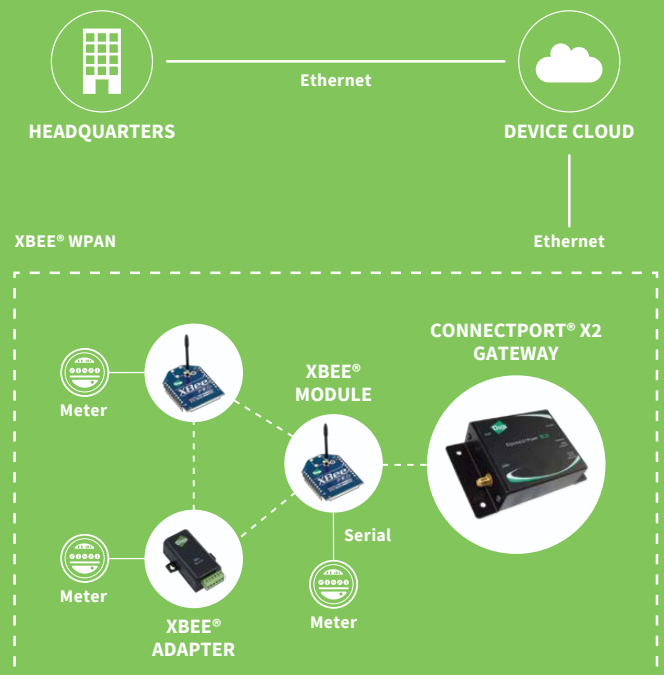


Sensors



Development Kits

APPLICATION EXAMPLE



SPECIFICATIONS		ConnectPort® X2
GENERAL		
MANAGEMENT	HTTP/HTTPS web interface, Password access control, IP service port control, Optional secure enterprise management via Device Cloud	
PROTOCOLS	UDP/TCP, DHCP, SNMPv1	
TOTAL MEMORY	8 MB Flash, 16 MB RAM	
LEDS	Ethernet status, Power, ZigBee link/activity	
SECURITY	SSL tunnels	
DIMENSIONS (L X W X H) AND WEIGHT	5.50 in x 2.75 in x 1.13 in (13.9 cm x 7.0 cm x 2.9 cm); 0.44 lb (0.20 kg)	
WIRELESS INTERFACES		
XBEE MODULE OPTIONS	802.15.4, ZigBee, DigiMesh 2.4, 900HP, XSC, 868	
ANTENNA PORT	RPSMA female	
ETHERNET		
PORTS	1 RJ-45 port	
PHYSICAL LAYER	10/100Base-T	
DATA RATE AND MODE	10/100 Mbps (auto-sensing); Full or half duplex (auto-sensing)	
POWER REQUIREMENTS		
POWER INPUT	9-30 VDC	
POWER SUPPLY	12 VDC power supply for 0° C to 60° C (32° F to 140° F) with locking barrel connector included; Extended temperature power supply available separately	
POWER CONSUMPTION	Idle: 1.2 W, Max: 3.4 W	
SURGE PROTECTION (W/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	1500 VAC min per IEEE802.3/ANSI X3.263	
REGULATORY APPROVALS		
SAFETY	EN60950	
EMISSIONS/IMMUNITY	CE, FCC Part 15 (Class A)	

PART NUMBERS	DESCRIPTION
X2-Z11-EM-A	ConnectPort X2 - XBee (ZigBee) to Ethernet. Industrial enclosure. Antennas and power supply included.
X2-Z11-EM-W	ConnectPort X2 - XBee (ZigBee) to Ethernet. Industrial enclosure. Antennas and power supply included. (International)
X2-A11-EM-A	ConnectPort X2 - XBee (802.15.4) to Ethernet. Industrial enclosure. Antennas and power supply included.
X2-A11-EM-W	ConnectPort X2 - XBee (802.15.4) to Ethernet. Industrial enclosure. Antennas and power supply included. (International)
X2-HMA-EM-W	ConnectPort X2 - XBee-PRO 900HP to Ethernet. Industrial enclosure. Antennas and power supply included, for Australia. (International)
X2-HMU-EM-A	ConnectPort X2 - XBee-PRO 900HP to Ethernet. Industrial enclosure. Antennas and power supply included.
X2-M11-EM-A	ConnectPort X2 - XBee (DigiMesh 2.4 GHz) to Ethernet. Industrial enclosure. Antennas and power supply included.
X2-M11-EM-W	ConnectPort X2 - XBee (DigiMesh 2.4 GHz) to Ethernet. Industrial enclosure. Antennas and power supply included. (International)
X2-T11-EM-A	ConnectPort X2 - XTend to Ethernet. Industrial enclosure. Antennas and power supply included.
X2-S11-EM-A	ConnectPort X2 - XBee-PRO XSC to Ethernet. Industrial enclosure. Antennas and power supply included.

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