

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™

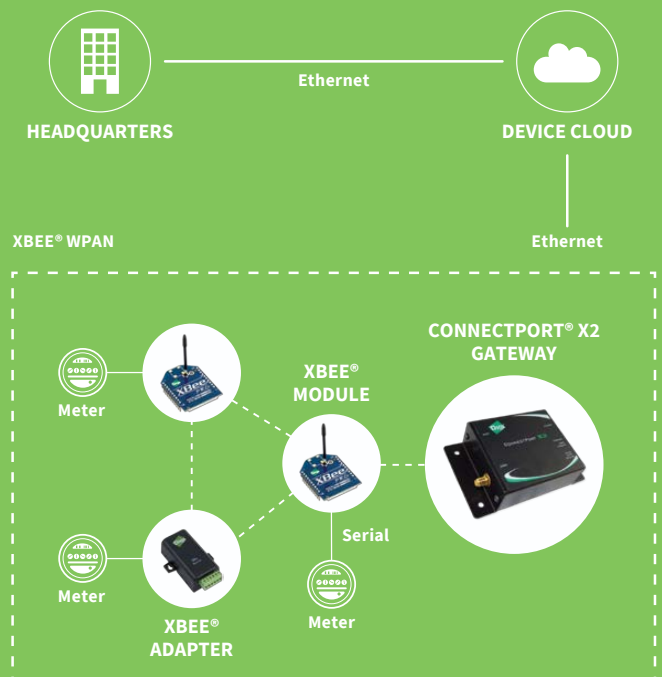
provides an IDE featuring device detection, debugging, compiling and downloading of Python code to Digi gateways.

Digi Device Cloud<sup>SM</sup> 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

## APPLICATION EXAMPLE



## RELATED PRODUCTS



Modules



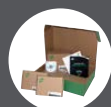
Adapters



Range Extenders



Sensors



Development  
Kits

## SPECIFICATIONS

## ConnectPort® X2

## GENERAL

<b>MANAGEMENT</b>	HTTP/HTTPS web interface, Password access control, IP service port control, Optional secure enterprise management via Device Cloud
<b>PROTOCOLS</b>	UDP/TCP, DHCP, SNMPv1
<b>TOTAL MEMORY</b>	8 MB Flash, 16 MB RAM
<b>LEDS</b>	Ethernet status, Power, ZigBee link/activity
<b>SECURITY</b>	SSL tunnels
<b>DIMENSIONS (L X W X H) AND WEIGHT</b>	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

<b>XBEE MODULE OPTIONS</b>	802.15.4, ZigBee, DigiMesh 2.4, 900HP, XSC, 868
<b>ANTENNA PORT</b>	RPSMA female

## ETHERNET

<b>PORTS</b>	1 RJ-45 port
<b>PHYSICAL LAYER</b>	10/100Base-T
<b>DATA RATE AND MODE</b>	10/100 Mbps (auto-sensing); Full or half duplex (auto-sensing)

## POWER REQUIREMENTS

<b>POWER INPUT</b>	9-30 VDC
<b>POWER SUPPLY</b>	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
<b>POWER CONSUMPTION</b>	Idle: 1.2 W, Max: 3.4 W
<b>SURGE PROTECTION (W/INCLUDED POWER SUPPLY)</b>	4 kV burst (EFT) per-4-4, 2 kV surge per EN61000-4

## ENVIRONMENTAL

<b>OPERATING TEMPERATURE</b>	-30° C to +70° C (-22° F to +158° F)
<b>RELATIVE HUMIDITY</b>	5% to 95% (non-condensing)
<b>ETHERNET ISOLATION</b>	1500 VAC min per IEEE802.3/ANSI X3.263

## REGULATORY APPROVALS

<b>SAFETY</b>	EN60950
<b>EMISSIONS/IMMUNITY</b>	CE, FCC Part 15 (Class A)

## PART NUMBERS

## DESCRIPTION

X2-Z11-EC-A	ConnectPort X2 - XBee (ZigBee) to Ethernet. Commercial enclosure. Antennas and power supply included.
X2-Z11-EC-W	ConnectPort X2 - XBee (ZigBee) to Ethernet. Commercial enclosure. Antennas and power supply included. (International)
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-M91-EM-A	ConnectPort X2 - XBee (DigiMesh 900 MHz) 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.
X2-P81-EM-W	ConnectPort X2 - XBee (868 MHz) to Ethernet. Industrial enclosure. Antennas and power supply included. (International)