ConnectPort® X2

XBee to IP Gateways

Customizable, low-cost Ethernet/Wi-Fi to ZigBee gateways offer easy IP networking of RF devices and sensor networks.
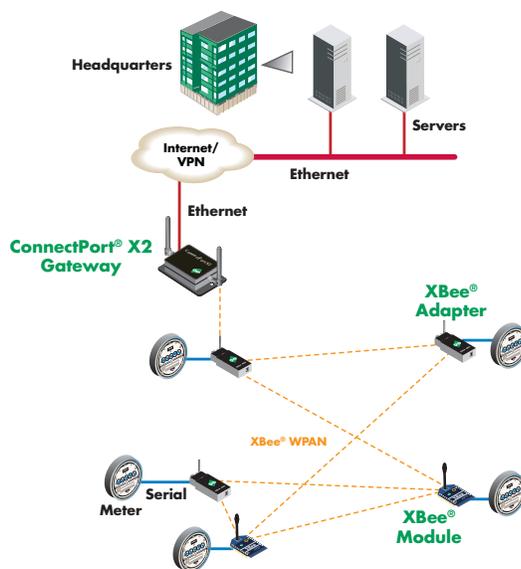
Overview

ConnectPort X2 is a small ZigBee to Ethernet/Wi-Fi 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/Wi-Fi networks for WAN connectivity to a centralized server.

ConnectPort X2 products feature an end-to-end development environment based on local customization via the iDigi® Dia framework, 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 iDigi Dia/Python code to Digi gateways.

Finally, iDigi Manager Pro™, a Digi-hosted remote management service, offers a platform for secure, scalable access to an unlimited number of remote assets. In addition, iDigi web services provides seamless integration from Digi gateways into customer back office applications.
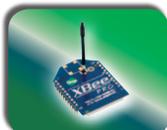
Application Highlight

Related Products

iDigi Solutions	Modules	Adapters
Dev Kits	Range Extenders	Sensors

Features/Benefits

- **ZigBee to Ethernet/Wi-Fi IP gateways support numerous XBee protocols**
- **Multiple form factors and configuration options for a wide range of applications**
- **Commercial and industrial grade enclosures for flexible environments**
- **Easy development environment via iDigi Dia and Python scripting as part of Digi ESP IDE**
- **iDigi® 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**

Specifications	ConnectPort® X2
General	
Management	HTTP/HTTPS web interface, Password access control, IP service port control, Optional secure enterprise management via iDigi® 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	Commercial: 2.75 in x 3.75 in x 1.25 in (7.0 cm x 9.5 cm x 3.2 cm); 0.20 lb (0.09 kg) Industrial: 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)
Antenna	
XBee Antenna	4" dipole; RP-SMA connector
Wi-Fi (optional)	4" dipole with 2' cable, tabletop mountable; RP-SMA connector
Interfaces	
RF	ZigBee, 802.15.4
Ethernet/Wi-Fi	
Wi-Fi	802.11b/g (industrial version only)
Ports	1 RJ-45 port
Physical Layer	10/100Base-T
Data Rate	10/100 Mbps (auto-sensing)
Mode	Full or half duplex (auto-sensing)
Wi-Fi (802.11b/g)	
Frequency	2.4 GHz
Data Rate	Up to 11 Mbps w/fallback
Modulation	DBPSK (1 Mbps), DQPSK (2 Mbps), CCK (11,5.5 Mbps)
Transmit Power	16 dBm typical
Receiver Sensitivity	-82 dBm @ 11 Mbps
Modes	Ad-hoc & AP Client Modes only; Access Point Mode not supported
Power Requirements	
Power Input	9-30VDC
Power Supply	12VDC 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 (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, FCC Part 15 (Class A)

Visit www.digi.com for part numbers.

MAKING Wireless M2M EASY™

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Digi International
877-912-3444
952-912-3444
info@digi.com

Digi International France
+33-1-55-61-98-98
www.digi.fr

Digi International KK
+81-3-5428-0261
www.digi-intl.co.jp

Digi International (HK) Limited
+852-2833-1008
www.digi.cn