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

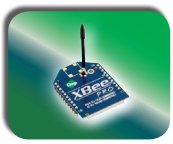
ConnectPort X2 is a small ZigBee to Ethernet/Wi-Fi gateway that provides low-cost IP networking of RF devices and sensor networks. Featuring an easy development environment, ConnectPort X2 enables custom applications to run locally while interfacing across existing Ethernet/Wi-Fi networks for WAN connectivity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

ConnectPort X2 products feature an end-to-end development environment based on local customization via the Device Cloud by Etherios™ 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 Device Cloud Dia/Python code to Digi gateways.

Device Manager offers a platform for secure, scalable access to an unlimited number of remote assets. In addition Web Services provide seamless integration from Digi gateways into customer back office applications.

Related Products

Device Cloud


Modules

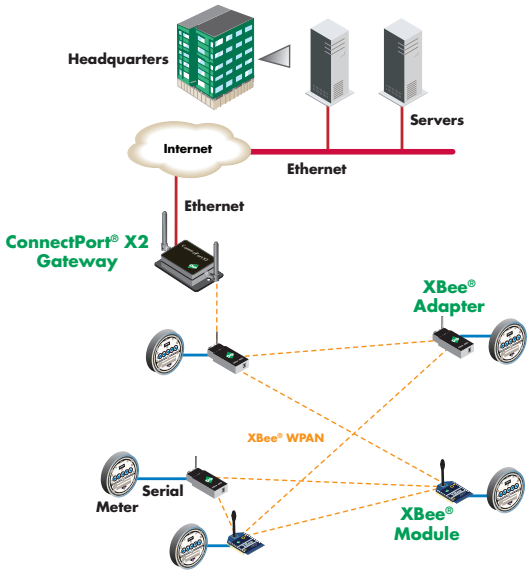
Adapters

Dev Kits

Range Extenders

Sensors

Application Highlight



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 DIA and Python scripting as part of Digi ESP IDE
- 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 Industrial	ConnectPort® X2 Commercial
General		
Management	HTTP/HTTPS web interface, Password access control, IP service port control, Optional secure enterprise management via Device Cloud	Device Cloud
Protocols	UDP/TCP, DHCP, SNMPv1	UDP/TCP, DHCP
Total Memory	8 MB Flash, 16 MB RAM	8 MB RAM, 4 MB Flash (User-available memory varies by firmware and OS version)
LEDs	Ethernet status, Power, ZigBee link/activity	Ethernet status, Power, ZigBee link/activity
Security	SSL tunnels	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)	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)
Antenna		
XBee Antenna	4" dipole; RP-SMA (Center pin - on device: male; on antenna: female)	Internal
Wi-Fi (optional)	4" dipole with 2' cable, tabletop mountable; RP-SMA (Center pin - on device: male; on antenna: female)	N/A
Interfaces		
RF	ZigBee, 802.15.4	Smart Energy 1.0 certified ZigBee-PRO
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)	
Wi-Fi (802.11b/g)		
Frequency	2.4 GHz	N/A
Data Rate	Up to 11 Mbps w/fallback	N/A
Modulation	DBPSK (1 Mbps), DQPSK (2 Mbps), CCK (11,5.5 Mbps)	N/A
Transmit Power	16 dBm typical	N/A
Receiver Sensitivity	-82 dBm @ 11 Mbps	N/A
Modes	Ad-hoc & AP Client Modes only; Access Point Mode not supported	N/A
Power Requirements		
Power Input	9-30 VDC	5 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	5 VDC power supply included
Power Consumption	Idle: 1.2 W, Max: 3.4 W	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	N/A
Environmental		
Operating Temperature	-30° C to +70° C (-22° F to +158° F)	0° C to 40° C (32° F to 104° F)
Relative Humidity	5% to 95% (non-condensing)	
Ethernet Isolation	1500 VAC min per IEEE802.3/ANSI X3.263	
Regulatory Approvals		
Safety	EN60950	N/A
Emissions/Immunity	CE, FCC Part 15 (Class A)	N/A

Visit www.digi.com for part numbers.

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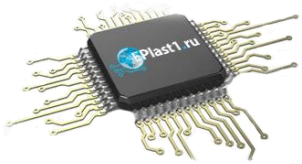
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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