



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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ZIGBEE® ENERGY
MANAGER



DIGI XBEE SMART PLUG®

The Digi XBee Smart Plug is an easy-to-deploy, plug-in ZigBee energy management device and network extender

The Digi XBee Smart Plug is an intelligent power outlet and ZigBee network extender. It enables users to measure and control connected electrical devices, maximizing energy efficiency and reducing cost, as well as extending the range of a wireless ZigBee network. The integrated ambient light sensor on the Digi XBee Smart Plug provides real-time environmental data within the deployment area.

Simply plug the Digi XBee Smart Plug into a standard power outlet and add the device to your ZigBee network. The unit integrates with ConnectPort® X gateways to centralize input from multiple Digi XBee Smart Plugs into an energy

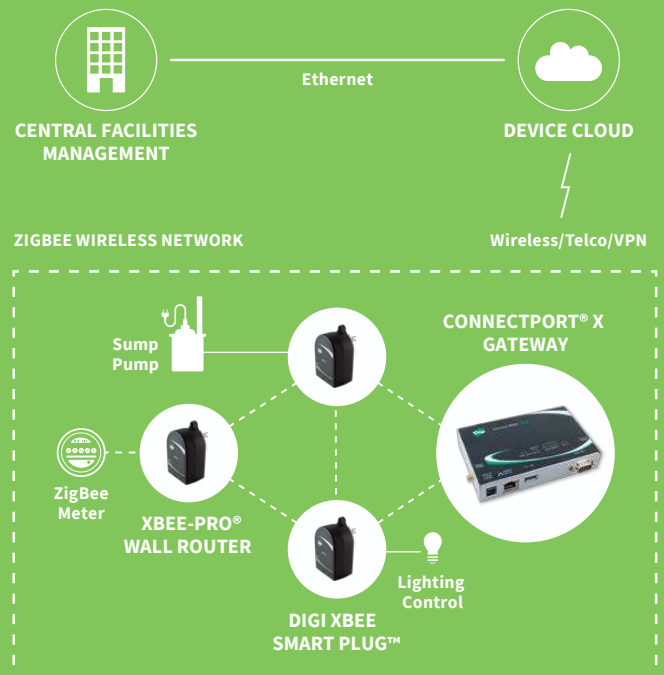
management solution. Appliance performance data, such as load consumption, power status, operating range, and erratic behavior is communicated over the network. Users are able to manage and control their devices from a central location, ensuring peak performance and efficiency.

The XBee® product family is part of Digi's unsurpassed offering of networking solutions, providing users with seamless, end-to-end communication between devices. XBee device adapters provide wireless connectivity to electronic devices in wired networks. ConnectPort X gateways enable users to access and configure remote XBee devices in a ZigBee network.

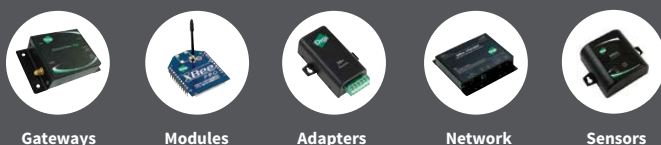
BENEFITS

- Wireless energy management device
- Extends the range and strength of a ZigBee network
- Creates additional network pathways for more reliable mesh networking
- Plugs into a standard power outlet for easy set up
- Small form factor for unobtrusive deployment
- Secure mounting tab prevents accidental unplugging and theft
- 120VAC, 8A rated socket for appliances
- Integrated current and ambient light sensors

APPLICATION EXAMPLE



RELATED PRODUCTS



Gateways

Modules

Adapters

Network
Extenders

Sensors

| | |
|-----------------|------------------------------|
| PLATFORM | Digi XBee Smart Plug® |
|-----------------|------------------------------|

| | |
|--------------------------------------|--|
| PERFORMANCE | |
| RF DATA RATE | 250 Kbps |
| INDOOR/URBAN RANGE | Up to 400 ft (120 m) |
| TRANSMIT POWER | 63 mW (18 dBm), 100 mW EIRP |
| RECEIVER SENSITIVITY (1% PER) | -102 dBm |
| FEATURES | |
| INTERFACES | ZigBee Pro Feature Set, Digi XBee ZB |
| FREQUENCY BAND | 2.4 GHz (ISM) |
| LEDS | Outlet (Yellow): Solid when user AC socket is powered; Associate (Green): Solid when external power is supplied, blinks when unit is connected and associated to an RF network |
| CONTROLS | Push Button - Device reset, Configuration reset to factory defaults, Identification/Commissioning mode |
| ANTENNA OPTIONS | Internal |
| LOCKING MECHANISM | Unit secures to electrical outlet using center outlet screw (U.S. model only) |
| INTEGRATED SENSORS | |
| CURRENT SENSOR | Detects current draw from user AC socket, Range: 0A to 8A |
| AMBIENT LIGHT SENSOR | Range of spectral bandwidth: 360 to 970 nm (similar to human eye); Wavelength of peak sensitivity: 570 nm |
| NETWORKING & SECURITY | |
| NETWORKING TOPOLOGIES | Mesh |
| NUMBER OF CHANNELS | 12 - 5 MHz channels (Direct Sequence Spread Spectrum) |
| GENERAL | |
| DIMENSIONS (L X W X H) | 3.07 in x 2.42 in x 1.47 in (9.40 cm x 6.14 cm x 3.73 cm) |
| WEIGHT | 2.50 oz (70.87 g) |
| POWER INPUT | 120VAC, 60 Hz |
| LOAD RATING | Resistive: 120VAC, 8A; Inductive (0.75 pf): 120VAC, 960VA; Motor: 1/3 HP (7.2 FLA) |
| OPERATING TEMPERATURE | 0° C to 40° C (32° F to 104° F) |
| RELATIVE HUMIDITY | 5% to 95% (non-condensing) |
| REGULATORY APPROVALS | |
| FCC CLASS B (USA) | Yes |
| IC CLASS B (CANADA) | Yes |
| UL | UL listed 40HP, Category Code: ATNZ/7 - Appliance Controls, File: E321891 |

| | |
|---------------------|---------------------------------------|
| PART NUMBERS | DESCRIPTION |
| XR-Z14-CW2P6 | Digi XBee Smart Plug (US 3-prong) |
| XR-Z14-CW2P7 | Digi XBee Smart Plug (Canada 3-prong) |

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