



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

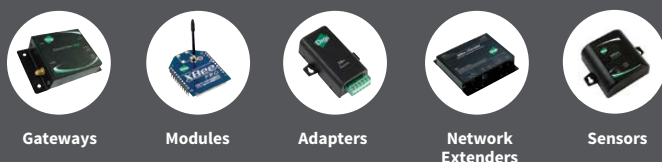
management solution. Appliance performance data, such as load consumption, power status, operating range, and erratic behavior is communicated over the network. Users are able to manage and control their devices from a central location, ensuring peak performance and efficiency.

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.

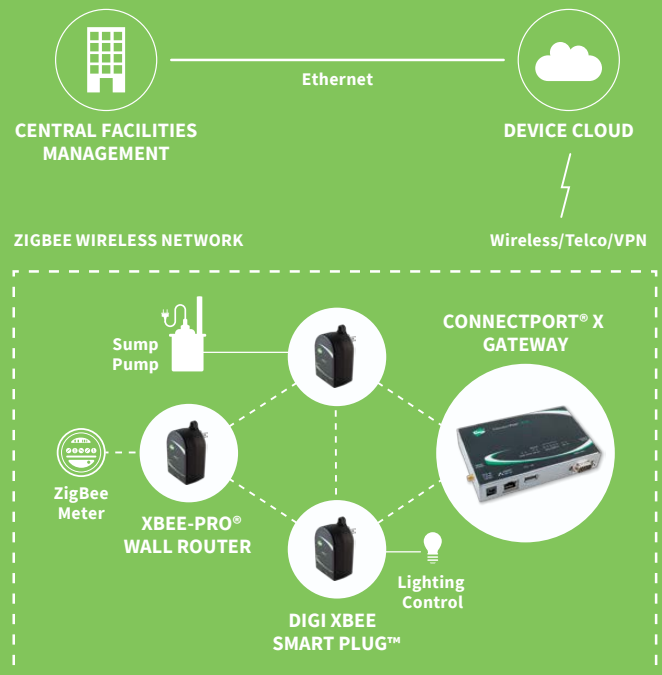
## BENEFITS

- 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

## RELATED PRODUCTS



## APPLICATION EXAMPLE



<b>PLATFORM</b>	<b>Digi XBee Smart Plug®</b>
-----------------	------------------------------

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

<b>PART NUMBERS</b>	<b>DESCRIPTION</b>
XR-Z14-CW2P6	Digi XBee Smart Plug (US 3-prong)
XR-Z14-CW2P7	Digi XBee Smart Plug (Canada 3-prong)

**DIGI SERVICE AND SUPPORT** / You can purchase with confidence knowing that Digi is always available to serve you with expert technical support and our industry leading warranty. For detailed information visit [www.digi.com/support](http://www.digi.com/support).

© 1996-2015 Digi International Inc. All rights reserved.  
All trademarks are the property of their respective owners.

91001469  
C1/915

**DIGI INTERNATIONAL WORLDWIDE HQ**  
877-912-3444 / 952-912-3444 / [www.digi.com](http://www.digi.com)

**DIGI INTERNATIONAL FRANCE**  
+33-1-55-61-98-98 / [www.digi.fr](http://www.digi.fr)

**DIGI INTERNATIONAL JAPAN**  
+81-3-5428-0261 / [www.digi-intl.co.jp](http://www.digi-intl.co.jp)

**DIGI INTERNATIONAL SINGAPORE**  
+65-6213-5380

**DIGI INTERNATIONAL CHINA**  
+86-21-50492199 / [www.digi.com.cn](http://www.digi.com.cn)

