

# XStick®

USB to XBee® Wireless PAN Adapter for Laptops & PCs

The XStick provides local connectivity to a wireless XBee network from a laptop or PC, enabling local commissioning of the network and its devices.



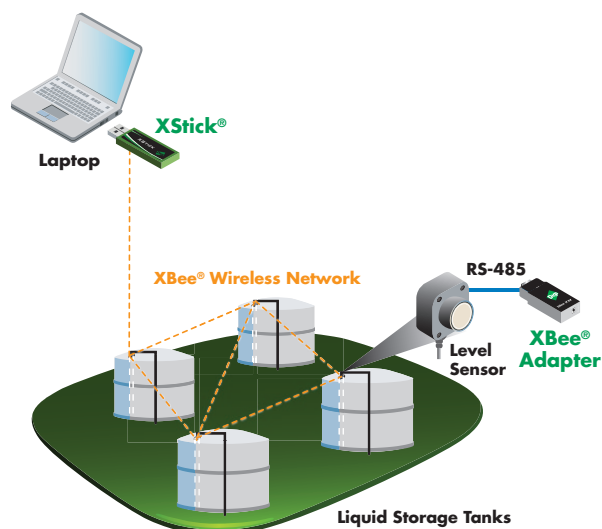
## Overview

Digi's XStick is an easy-to-use USB to XBee Wireless Personal Area Network (WPAN) adapter, providing local connectivity to wireless networks. Simply plug the XStick into the USB port of a laptop or PC for instant access to an XBee network and its connected devices. This compact, USB-powered wireless adapter enables local network configuration, diagnostics or device monitoring.

Two versions are available. The XStick 802.15.4 version is compatible with XBee and XBee-PRO® 802.15.4 devices and uses a fast multipoint network. The XStick ZB version is compatible with XBee or XBee-PRO ZB devices and utilizes the ZigBee PRO Feature Set for robust mesh networks.

XStick and XBee products are part of Digi's Drop-in Networking family of solutions, offering users seamless wireless communication between devices, including adapters, routers and gateways.

## Application Highlight



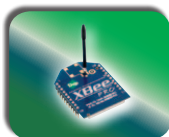
## Features/Benefits

- USB to XBee Wireless Personal Area Network adapter (WPAN)
- Provides local connectivity for access, configuration and network commissioning
- Available in self-healing, self-configuring ZigBee mesh or fast 802.15.4 multipoint versions
- USB powered
- LEDs for power status and network association

## Related Products



Gateways



Modules



Adapters



Development Kits



Network Extenders

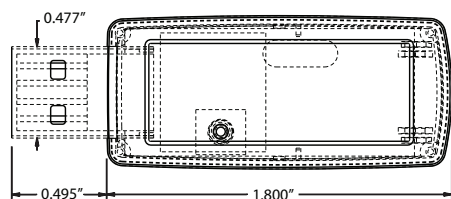


Sensors

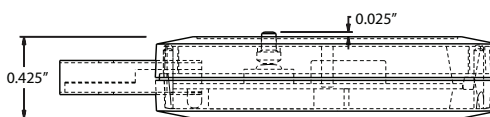


Specifications		XStick® ZB	XStick® 802.15.4
Performance			
Indoor/Urban Range	66 ft (20 m)		49 ft (15 m)
Outdoor/RF Line-of-Sight Range	164 ft (50 m)		131 ft (40 m)
Transmit Power Output (Nominal 25° C)	2.8 mW (4.5 dBm)		1 mW (0 dBm)
RF Data Rate	250 Kbps		
Serial Interface Data Rate (Software Selectable)	1200 bps - 115.2 Kbps		
Receiver Sensitivity	-90 dBm		
Power Requirements			
Supply Voltage	5V from USB port of PC		
Transmit Current	51 mA	64 mA	
Receive Current	47 mA	64 mA	
Power-Down Current	XStick should not be put into sleep mode		
General			
Frequency Band	2.4 GHz ISM		
Dimensions (L x W x H)	2.29 in x 0.80 in x 0.43 in (5.83 cm x 2.03 cm x 1.08 cm)		
Operating Temperature	-40° C to +85° C		
Connector	USB Type A		
Antenna Options	Internal only		
Networking & Security			
Supported Network Topologies	ZigBee Mesh	Point-to-Point, Point-to-Multipoint, Peer-to-Peer	
Number of Channels (Software Selectable)	16		
Addressing Options	PAN, Channel, Address		
Regulatory Approvals			
FCC Part 15.247 (USA)	Yes (MCQ-XSTICK2)	Pending (MCQ-XSTICK1)	
IC (Canada)	Yes (1846A-XSTICK2)	Pending (1846A-XSTICK1)	
ETSI (Europe)	Yes	Pending	
TELEC (Japan)	Yes	No	

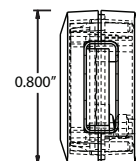
**XStick - Top View**



**XStick - Side View**



**XStick - Connector**



Visit [www.digi.com](http://www.digi.com) for part numbers.

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