

DIGI INTERNATIONAL Embedded RF Wireless Products

Products may be RoHS compliant.
Check mouser.com for RoHS status.



Easy-to-Use! No configuration is necessary for out-of-box RF operation. Simply feed data into one module, then the data is sent out the other end of the wireless link. If more advanced functionality is needed, the modules support an extensive set of AT commands.

MaxStream 900MHz solutions are certified for use in North America, but integrators in Europe must use Digi RF 2.4GHz solutions.

<p>XBee Specifications:</p> <ul style="list-style-type: none"> Indoor/Urban Range: Up to 100' (30m) Outdoor Line-of-Sight Range: Up to 300' (100m) Transmit Power Output: 1mW (0dBm) Power-Down Current: <10µA Operating Frequency: 2.4GHz RF Data Rate: 250,000bps <p> RoHS Compliant</p>		<p>XBee-Pro Specifications:</p> <ul style="list-style-type: none"> Indoor/Urban Range: Up to 300' (100m) Outdoor Line-of-Sight Range: Up to 1 mile (1.6km) Transmit Power Output: 100mW (20dBm) EIRP Power-Down Current: <10µA Operating Frequency: 2.4GHz RF Data Rate: 250,000bps <p> RoHS Compliant</p>	
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XBEE™ ZIGBEE OEM RF MODULE

The XBee Series 2 ZigBee OEM RF Module satisfies the unique needs of low-cost, low-power wireless mesh sensor networks. The modules are easy-to-use, require minimal power and provide reliable delivery of critical data between devices. Its small form factor saves valuable board space. The XBee Series 2 module operates within the ISM 2.4GHz frequency band and is pin-for-pin compatible with XBee Series 1 modules. The modules are optimized for use in US, Canada, Australia, and Europe. No configuration is necessary for out-of-box RF communications. The module's default configuration supports a wide range of data system applications. Advanced configurations can be implemented using simple AT commands or API.

XBee Technology Development Kits (Zigbee/802.15.4)

MOUSER STOCK NO.	Digi Intl. Part No.	Description	Price Each
888-XB24-PDK	XB24-PDK	XBee Development Kit w/ 3 Xbee and 2 XBee-PRO modules	425.00
888-XBP24-DKS	XBP24-DKS	XBee-PRO Starter Development Kit includes 2 XBee-PRO units	179.00
888-XB24-DKS	XB24-DKS	XBee Starter Development Kit includes 2 XBee units	129.00
888-XB24-DKS-INT	XB24-DKS-INT	XBee Starter Development Kit includes 2 XBee units	129.00
888-XB24-BPDK	XB24-BPDK	XBee Series 2 Development Kit includes 5 XBee series 2 modules	339.00

XBee OEM Modules (Zigbee/802.15.4)

MOUSER STOCK NO.	Digi Intl. Part No.	Frequency	Transmit Power Outlet	Antenna	RF Data Rate	Price Each
888-XB24-AWI-001	XB24-AWI-001	Xbee	1mW	Wire antenna	250000bps	20.00
888-XB24-ACI-001	XB24-ACI-001	Xbee	1mW	Chip antenna	250000bps	19.00
888-XB24-AUI-001	XB24-AUI-001	Xbee	1mW	U.FL ant connector	250000bps	22.50

XBee-PRO OEM Modules (Zigbee/802.15.4)

MOUSER STOCK NO.	Digi Intl. Part No.	Frequency	Transmit Power Outlet	Antenna	RF Data Rate	Price Each
888-XBP24-AWI-001	XBP24-AWI-001	XBee-PRO	50mW	Wire antenna	250000bps	32.00
888-XBP24-ACI-001	XBP24-ACI-001	XBee-PRO	50mW	Chip antenna	250000bps	32.00
888-XBP24-AUI-001	XBP24-AUI-001	XBee-PRO	50mW	U.FL ant connector	250000bps	32.00

XBee Technology Accessories

MOUSER STOCK NO.	Digi Intl. Part No.	Description	Price Each
888-JF1R6-CR3-4I	JF1R6-CR3-4I	U.FL female to RPSMA female bulkhead - RG178	4.68
888-A24-HASM-450	A24-HASM-450	2.4GHz Half-wave articulated joint, RPSMA male	6.00
888-A24-HABUF-P5I	A24-HABUF-P5I	2.4GHz Half-wave antenna,	5.00
888-XBIB-U	XBIB-U	USB, XBee-PRO interface board	63.50
888-XBIB-R	XBIB-R	RS-232, XBee-PRO interface board	62.20
888-XBIB-U-DEV	XBIB-U-DEV	USB, XBee-PRO professional interface board	73.17
888-XBIB-R-DEV	XBIB-R-DEV	RS-232, XBee-PRO professional interface board	73.17

XBee-PRO™ Zigbee/802.15.4 RF Modems

MOUSER STOCK NO.	Digi Intl. Part No.	Frequency	OTA Data Rate	Interface	Accessories	Price Each
888-XBP24-PKC-001-UA	XBP24-PKC-001-UA	2.4Ghz Xbee	256000	USB	No	121.15
888-XBP24-PKI-001-RA	XBP24-PKI-001-RA	2.4Ghz Xbee	256000	RS232	Yes	147.04

XSTREAM™ OEM RF MODULE

The XStream Module provides OEMs and integrators with reliable, long-range wireless data communications. The XStream Module is smaller than a credit card and is available as a 900MHz (North America) and 2.4GHz (worldwide) RF solution. The 9XStream (900MHz) is pin-for-pin and software compatible with the 24XStream (2.4GHz), allowing for flexible deployment of your products throughout the world (only one OEM board design needed). The XStream Module typically yields 2-8x the range of competing RF modules. Modules in the same price range of the XStream Module cannot compete with the XStream Module's performance. Modules able to perform at the XStream Module's level are unable to compete with the XStream Module's price.

XStream Technology Development Kits

MOUSER STOCK NO.	Digi Intl. Part No.	Description	Price Each
888-X09-019-DK	X09-019-DK	915MHz, 100mW, 19.2 Kbaud, 3" wire & RPSMA connector	409.00
888-X24-009-DK	X24-009-DK	2.4GHz, 50mW, 9600baud, 3" wire & RPSMA connector	409.00

XStream OEM Modules

MOUSER STOCK NO.	Digi Intl. Part No.	Frequency	Transmit Power Outlet	Antenna	RF Data Rate	Price Each
888-X09-001NSI	X09-001NSI	900MHz - XStream	100mW transceiver	RPSMA	200baud	165.00
888-X09-001NST	X09-001NST	900MHz - XStream	100mW transceiver	RPSMA	200baud	200.00
888-X09-009NSC	X09-009NSC	900MHz - XStream	100mW transceiver	RPSMA	600bps	153.00
888-X09-009WNI	X09-009WNI	900MHz - XStream	100mW transceiver	3" wire antenna	600bps	153.00
888-X09-009NMI	X09-009NMI	900MHz - XStream	100mW transceiver	MMCX	600bps	155.00
888-X09-009NMT	X09-009NMT	900MHz - XStream	100mW transceiver	MMCX	600bps	190.00
888-X09-009NST	X09-009NST	900MHz - XStream	100mW transceiver	RPSMA	600bps	200.00