

# DIGI INTERNATIONAL Embedded RF Wireless Products

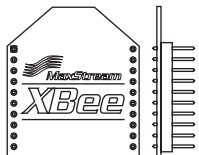
Products may be RoHS compliant. Check mouser.com for RoHS status.

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 American, but integrators in Europe must use Digi RF 2.4GHz solutions.

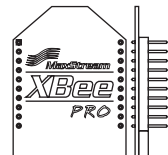
### XBee Specifications:

- Indoor/Urban Range: Up to 133' (40m)
- Outdoor Line-of-Sight Range: Up to 400' (120m)
- Transmit Power: 1.25mW (+1dBm)
- Power-Down Current: <10µA
- Operating Frequency: 2.4GHz
- RF Data Rate: 250,000bps
- Receiver Sensitivity (1% PER) -96 dBm in boost mode



### XBee-Pro Specifications:

- Indoor/Urban Range: Up to 300' (100m)
- Outdoor Line-of-Sight Range: Up to 2 miles (3200m)
- Transmit Power: 63mW (+18dBm)
- Power-Down Current: <10µA
- Operating Frequency: 2.4GHz
- RF Data Rate: 250,000bps
- Receiver Sensitivity (1% PER) -102dBm



## XBEE® & XBEE-PRO® ZB RF MODULES

XBee and XBee-PRO ZB embedded SMT RF modules provide cost-effective wireless connectivity to electronic devices. They are interoperable with other ZigBee PRO feature set devices, including devices from other vendors. Programmable versions of the XBee-PRO ZB module make customizing applications easy. Programming directly on the module eliminates the need for a separate processor.



For quantities greater than listed, call for quote.

| MOUSER STOCK NO.                              | Digi Intl. Part No. | Antenna Type | Transmit Current (mA) | Receive Current (mA) | Supply Voltage (VDC) | Price Each |       |
|---|---------------------|--------------|-----------------------|----------------------|----------------------|------------|-------|
|   |                     |              |                       |                      |                      | 1          | 2     |
| <b>XBee ZB SMT - Programmable</b>             |                     |              |                       |                      |                      |            |       |
| 888-XB24CZ7RISB003                            | XB24CZ7RISB003      | RF Pad       | 35/45 @ 3.3VDC        | 38/40 @ 3.3VDC       | 2.1-3.6              | 22.50      | 22.50 |
| 888-XB24CZ7PISB003                            | XB24CZ7PISB003      | PCB          | 35/45 @ 3.3VDC        | 38/40 @ 3.3VDC       | 2.1-3.6              | 22.50      | 22.50 |
| 888-XB24CZ7UISB003                            | XB24CZ7UISB003      | U.FL         | 35/45 @ 3.3VDC        | 38/40 @ 3.3VDC       | 2.1-3.6              | 22.50      | 22.50 |
| <b>XBee ZB SMT - Non-Programmable</b>         |                     |              |                       |                      |                      |            |       |
| 888-XB24CZ7PIS-004                            | XB24CZ7PIS-004      | PCB          | 35/45 @ 3.3VDC        | 38/40 @ 3.3VDC       | 2.7-3.6              | 17.50      | 17.50 |
| 888-XB24CZ7RIS-004                            | XB24CZ7RIS-004      | RF Pad       | 35/45 @ 3.3VDC        | 38/40 @ 3.3VDC       | 2.7-3.6              | 17.50      | 17.50 |
| 888-XB24CZ7UIS-004                            | XB24CZ7UIS-004      | U.FL         | 35/45 @ 3.3VDC        | 38/40 @ 3.3VDC       | 2.7-3.6              | 17.50      | 17.50 |
| <b>XBee 802.15.4 Low Power</b>                |                     |              |                       |                      |                      |            |       |
| 888-XB24-API-001                              | XB24-API-001        | PCB          | 35/45 @ 3.3VDC        | 50 @ 3.3V            | 2.8-3.4              | 19.00      | 19.00 |
| 888-XB24-AWI-001                              | XB24-AWI-001        | Wire         | 35/45 @ 3.3VDC        | 50 @ 3.3V            | 2.8-3.4              | 19.00      | 18.85 |
| 888-XB24-AUI-001                              | XB24-AUI-001        | U.FL         | 35/45 @ 3.3VDC        | 50 @ 3.3V            | 2.8-3.4              | 22.50      | 22.50 |
| <b>XBee-PRO Extended Range</b>                |                     |              |                       |                      |                      |            |       |
| 888-XBP24-BZ7PIT-004                          | XBP24BZ7PIT-004     | PCB          | 205                   | 47                   | 2.7-3.6              | 28.00      | 27.78 |
| 888-XBP24BZ7PIT-004J                          | XBP24BZ7PIT-004J    | PCB          | 205                   | 47                   | 2.7-3.6              | 28.00      | 27.78 |
| 888-XBP24-BZ7SIT-004                          | XBP24BZ7SIT-004     | RPSMA        | 205                   | 47                   | 2.7-3.6              | 29.00      | 28.77 |
| 888-XBP24BZ7UIT-004                           | XBP24BZ7UIT-004     | U.FL         | 205                   | 47                   | 2.7-3.6              | 28.00      | 27.78 |
| 888-XBP24-BZ7WIT-004                          | XBP24BZ7WIT-004     | Wire         | 205                   | 47                   | 2.7-3.6              | 28.00      | 27.78 |
| 888-XBP24BZ7WIT-004J                          | XBP24BZ7WIT-004J    | Wire         | 205                   | 47                   | 2.7-3.6              | 28.00      | 27.78 |
| <b>XBee-PRO Extended Range - Programmable</b> |                     |              |                       |                      |                      |            |       |
| 888-XBP24BZ7PITB-003                          | XBP24BZ7PITB003     | PCB          | 220                   | 62                   | 2.7-3.6              | 33.00      | 32.74 |
| 888-XBP24BZ7SITB-003                          | XBP24BZ7SITB003     | RPSMA        | 220                   | 62                   | 2.7-3.6              | 35.00      | 34.72 |
| 888-XBP24BZ7UITB-003                          | XBP24BZ7UITB003     | U.FL         | 220                   | 62                   | 2.7-3.6              | 33.00      | 32.74 |
| 888-XBP24BZ7WITB-003                          | XBP24BZ7WITB003     | Wire         | 220                   | 62                   | 2.7-3.6              | 33.00      | 32.74 |
| <b>XBee-PRO ZB SMT - Programmable</b>         |                     |              |                       |                      |                      |            |       |
| 888-XBP24CZ7RISB003                           | XBP24CZ7RISB003     | RF Pad       | 220                   | 62                   | 2.7-3.6              | 33.50      | 33.50 |
| 888-XBP24CZ7PISB003                           | XBP24CZ7PISB003     | PCB          | 220                   | 62                   | 2.7-3.6              | 33.50      | 33.50 |
| 888-XBP24CZ7UISB003                           | XBP24CZ7UISB003     | U.FL         | 220                   | 62                   | 2.7-3.6              | 33.50      | 33.50 |
| <b>XBee-PRO ZB SMT - Non-Programmable</b>     |                     |              |                       |                      |                      |            |       |
| 888-XBP24CZ7PIS-004                           | XBP24CZ7PIS-004     | PCB          | 205                   | 47                   | 2.7-3.6              | 28.50      | 28.50 |
| 888-XBP24CZ7RIS-004                           | XBP24CZ7RIS-004     | RF Pad       | 205                   | 47                   | 2.7-3.6              | 28.50      | 28.50 |
| 888-XBP24CZ7UIS-004                           | XBP24CZ7UIS-004     | U.FL         | 205                   | 47                   | 2.7-3.6              | 28.85      | 28.85 |
| <b>XBee-PRO 802.15.4 Extended Range</b>       |                     |              |                       |                      |                      |            |       |
| 888-XBP24-API-001                             | XBP24-API-001       | PCB          | 35/45 @ 3.3V          | 50/55 @ 3.3V         | 2.8-3.4              | 32.00      | 32.00 |
| 888-XBP24-AWI-001                             | XBP24-AWI-001       | Wire         | 35/45 @ 3.3VDC        | 50 @ 3.3V            | 2.7-3.6              | 32.00      | 32.00 |
| 888-XBP24-AUI-001                             | XBP24-AUI-001       | U.FL         | 35/45 @ 3.3VDC        | 50 @ 3.3V            | 2.7-3.6              | 32.00      | 31.50 |

## XBEE™ OEM RF MODULES

For quantities greater than listed, call for quote.

| MOUSER STOCK NO.               | Digi Intl. Part No. | Antenna Type | Transmit Current (mA) | Receive Current (mA) | Supply Voltage (VDC) | Price Each |       |
|--------------------------------|---------------------|--------------|-----------------------|----------------------|----------------------|------------|-------|
|                                |                     |              |                       |                      |                      | 1          | 5     |
| <b>XBee 865LP Low Power RF</b> |                     |              |                       |                      |                      |            |       |
| 888-XB8-DMRS-002               | XB8-DMRS-002        | RF Pad       | 48                    | 27                   | 2.7-3.6              | 24.38      | 23.42 |
| 888-XB8-DMUS-002               | XB8-DMUS-002        | U.FL         | 48                    | 27                   | 2.7-3.6              | 24.38      | 23.42 |
| 888-XB8-DPPS-001               | XB8-DPPS-001        | PCB          | 48                    | 27                   | 2.7-3.6              | 24.38      | 23.42 |
| 888-XB8-DPRS-001               | XB8-DPRS-001        | RF Pad       | 48                    | 27                   | 2.7-3.6              | 24.38      | 23.42 |
| 888-XB8-DPUS-001               | XB8-DPUS-001        | U.FL         | 48                    | 27                   | 2.7-3.6              | 24.38      | 23.42 |
| <b>XBee-PRO 868 RF</b>         |                     |              |                       |                      |                      |            |       |
| 888-XBP08-DPWIT-024            | XBP08-DPWIT-024     | Wire         | 500 @ 3.3V            | 65                   | 3.0-3.6              | 68.97      | 66.25 |
| 860-XBP08-DPSIT-024            | XBP08-DPSIT-024     | RPSMA        | 500 @ 3.3V            | 65                   | 3.0-3.6              | 71.99      | 69.14 |
| 888-XBP08-DPUIT-024            | XBP08-DPUIT-024     | U.FL         | 500 @ 3.3V            | 65                   | 3.0-3.6              | 68.97      | 66.25 |
| <b>XBee-PRO XSC S3B 900MHz</b> |                     |              |                       |                      |                      |            |       |
| 888-XBP9B-XCST-001             | XBP9B-XCST-001      | RPSMA        | 215                   | 26                   | 2.4-3.6              | 42.00      | 40.88 |
| 888-XBP9B-XCST-002             | XBP9B-XCST-002      | RPSMA        | 215                   | 26                   | 2.4-3.6              | 42.00      | 40.88 |
| 888-XBP9B-XCST-021             | XBP9B-XCST-021      | RPSMA        | 215                   | 26                   | 2.4-3.6              | 39.00      | 37.96 |
| 888-XBP9B-XCST-022             | XBP9B-XCST-022      | RPSMA        | 215                   | 26                   | 2.4-3.6              | 39.00      | 37.96 |
| 888-XBP9B-XCUT-001             | XBP9B-XCUT-001      | U.FL         | 215                   | 26                   | 2.4-3.6              | 39.00      | 37.96 |
| 888-XBP9B-XCUT-002             | XBP9B-XCUT-002      | U.FL         | 215                   | 26                   | 2.4-3.6              | 39.00      | 37.96 |
| 888-XBP9B-XCUT-021             | XBP9B-XCUT-021      | U.FL         | 215                   | 26                   | 2.4-3.6              | 39.00      | 37.96 |
| 888-XBP9B-XCUT-022             | XBP9B-XCUT-022      | U.FL         | 215                   | 26                   | 2.4-3.6              | 39.00      | 37.96 |
| 888-XBP9B-XCWT-001             | XBP9B-XCWT-001      | Wire         | 215                   | 26                   | 2.4-3.6              | 39.00      | 37.96 |
| 888-XBP9B-XCWT-002             | XBP9B-XCWT-002      | Wire         | 215                   | 26                   | 2.4-3.6              | 39.00      | 37.96 |
| 888-XBP9B-XCWT-021             | XBP9B-XCWT-021      | Wire         | 215                   | 26                   | 2.4-3.6              | 42.00      | 40.88 |
| 888-XBP9B-XCWT-022             | XBP9B-XCWT-022      | Wire         | 215                   | 26                   | 2.4-3.6              | 42.00      | 40.88 |
| <b>XBee DigiMesh 2.4 RF</b>    |                     |              |                       |                      |                      |            |       |
| 888-XB24-DMPIT-250             | XB24-DMPIT-250      | PCB          | 45                    | 50                   | 2.8-3.4              | 19.00      | 19.00 |
| <b>XBee Wi-Fi</b>              |                     |              |                       |                      |                      |            |       |
| 888-XB24-WFPIT-001             | XB24-WFPIT-001      | PCB          | Up to 260             | 140                  | 3.1-3.6              | 35.00      | 35.00 |
| 888-XB24-WFSIT-001             | XB24-WFSIT-001      | RPSMA        | Up to 260             | 140                  | 3.1-3.6              | 35.00      | 35.00 |
| 888-XB24-WFUIT-001             | XB24-WFUIT-001      | U.FL         | Up to 260             | 140                  | 3.1-3.6              | 35.00      | 35.00 |
| 888-XB24-WFWIT-001             | XB24-WFWIT-001      | Wire         | Up to 260             | 140                  | 3.1-3.6              | 35.00      | 35.00 |

## DIGI M10™ COMPACT SATELLITE MODEM

The Digi m10™ satellite module provides worldwide satellite data connectivity for a wide variety of asset-tracking and industrial remote communication applications. Small footprint satellite modem with global satellite connectivity is designed for a wide variety of asset tracking and remote device communication applications.

For quantities greater than listed, call for quote.

| MOUSER STOCK NO. | Digi Intl. Part No. | Description   | Price Each |
|------------------|---------------------|---|------------|
| 860-DG-M10-KIT   | DG-M10-KIT          | JumpStart Development Kit includes Quick start guide, Free 90-day limited ORBCOMM connectivity, Digi m10 Satellite modem, telescopic antenna, 12' extension cable, development board, software CD, power supply and accessories | 299.00     |
| 860-DG-M10       | DG-M10              | Satellite module without antenna  | 179.00     |