

Product Change Notification		Date November 02, 2020
Product	Digi XBee® 3 Short Range	

Reason for Change

<input type="checkbox"/> Technical Requirement	<input type="checkbox"/> Product Transition
<input type="checkbox"/> Customer Requirement	<input type="checkbox"/> Product Discontinuation
<input type="checkbox"/> Quality Improvement	<input checked="" type="checkbox"/> Product Enhancement
	<input type="checkbox"/> Other (Brand Change)

Description of change	<p>Digi XBee® 3 (Zigbee, 802.15.4, and DigiMesh variants) Firmware version x00B has been released and is available on the Digi support site. The new firmware includes the following new features and enhancements:</p> <ul style="list-style-type: none"> • Functions have been added to the XBee module in MicroPython that enable MicroPython applications to do the following: <ul style="list-style-type: none"> • Respond to modem status messages generated by the module • Register a callback to handle incoming RF packets • A function has been added to the BLE module in MicroPython which allows XBees to connect to other XBees via Bluetooth • A MicroPython module has been added that allows hardware accelerated AES encryption/decryption in user applications • Numerous sleep mode enhancements for improved power savings <ul style="list-style-type: none"> • “Sleep Immediate (SI)” command (DigiMesh x300B) was added to allow synchronously sleeping networks to save battery life by putting the whole network to sleep before OW time expires. This gives flexibility to save significant battery life in a network that may infrequently need a long wake time. • The sleep_now () function (Zigbee, 802.15.4), when using the pin wake option, will now sleep regardless of the current state of the SLEEP_RQ line. The function can also be used to go to sleep without setting a timeout, which consumes less power than sleeping with a timeout. When using pin wake, the SLEEP_RQ line will only wake the radio on a falling edge, which allows the module to sleep when a one-shot pulse is used for wakeup. • A function has been added to MicroPython that allows modules to put the radio in an idle state when RF receptions are not needed in order to further reduce power consumption • Over-voltage detection feature enhancements • Bug fixes <p>Find release notes, user manuals, and firmware downloads on the product support pages for more details:</p> <ul style="list-style-type: none"> • Zigbee 100B release notes: https://ftp1.digi.com/support/firmware/release_notes/XB3-24Z/93001300_L.pdf
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	<ul style="list-style-type: none"> • XBee 3 Zigbee Product Support Page • 802.15.4 200B Release Notes: https://ftp1.digi.com/support/firmware/release_notes/XB3-24A/93001305_G.pdf • XBee 3 802.15.4 Product Support Page • DigiMesh 300B Release Notes: https://ftp1.digi.com/support/firmware/release_notes/XB3-24DM/93001308_G.pdf • XBee 3 DigiMesh Product Support Page

Affected Part Numbers	All Digi XBee® 3 Zigbee, 802.15.4, and DigiMesh modules (see appendix below)
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Recommended Action	<p>Digi recommends that customers update all revisions of Digi XBees that are older than those listed in this PCN to the latest available firmware. Firmware releases are available by automatic updates in Digi XBee Configuration and Test Utility (XCTU) via Digi's FTP site (How to Update XBee Firmware Via XCTU, XCTU User Guide) and through the Digi Support page. Digi XCTU may be downloaded here. XCTU should be updated to latest version prior to updating Digi XBee modules. Updates may also be applied with the Digi Multi Programmer. Refer to the release notes for update best practices and considerations. New product revisions that ship with updated software are provided in the table below.</p> <p>Digi XBee® Mobile applications are available in the Apple App Store for iOS and Play Store for Android.</p> <p>If you have questions about this notice please contact your sales representative or the Digi Technical Support Department via email at tech.support@digi.com.</p>
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Authorization	Digi International Product Management
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Part Number	Description	New Firmware Revision	New Module Revision (See device label)
XB3-24ACM	Digi XBee®3 PRO,2.4 Ghz, 802.15.4, Chip Ant, MMT	200B	M
XB3-24ACM-J	Digi XBee® 3,2.4 Ghz, 802.15.4, Chip Ant, MMT	200B	M
XB3-24ARM	Digi XBee® 3 PRO,2.4 Ghz, 802.15.4, RF Pad Ant, MMT	200B	M
XB3-24ARM-J	Digi XBee® 3,2.4 Ghz, 802.15.4, RF Pad Ant, MMT	200B	M
XB3-24AUM	Digi XBee® 3 PRO,2.4 Ghz, 802.15.4, U.FL Ant, MMT	200B	M
XB3-24AUM-J	Digi XBee® 3,2.4 Ghz, 802.15.4, U.FL Ant, MMT	200B	M

XB3-24DMCM	Digi XBee® 3 PRO,2.4 Ghz DM, Chip Ant, MMT	300B	L
XB3-24DMCM-J	Digi XBee® 3,2.4 Ghz DM, Chip Ant, MMT	300B	L
XB3-24DMRM	Digi XBee® 3 PRO,2.4 Ghz DM, RF Pad Ant, MMT	300B	L
XB3-24DMRM-J	Digi XBee® 3,2.4 Ghz DM, RF Pad Ant, MMT	300B	L
XB3-24DMUM	Digi XBee® 3 PRO,2.4 Ghz DM, U.FL Ant, MMT	300B	L
XB3-24DMUM-J	Digi XBee® 3,2.4 Ghz DM, U.FL Ant, MMT	300B	L
XB3-24Z8CM	Digi XBee® 3 PRO ,2.4 Ghz ZB 3.0, Chip Ant, MMT	100B	S
XB3-24Z8CM-J	Digi XBee® 3 - 2.4 GHz ZB 3.0, Chip Antenna, MMT	100B	S
XB3-24Z8PS	Digi XBee® 3 PRO - 2.4 GHz ZB 3.0, PCB Antenna, SMT	100B	S
XB3-24Z8PS-J	Digi XBee® 3 - 2.4 GHz ZB 3.0, PCB Antenna, SMT	100B	S
XB3-24Z8PT	Digi XBee® 3 PRO - 2.4 GHz ZB 3.0, PCB Antenna, TH MT	100B	P
XB3-24Z8PT-J	Digi XBee® 3 - 2.4 GHz ZB 3.0, PCB Antenna, TH MT	100B	P
XB3-24Z8RM	Digi XBee® 3 PRO - 2.4 GHz ZB 3.0, RF Pad Antenna, MMT	100B	S
XB3-24Z8RM-J	Digi XBee® 3 - 2.4 GHz ZB 3.0, RF Pad Antenna, MMT	100B	S
XB3-24Z8RS	Digi XBee® 3 PRO - 2.4 GHz ZB 3.0, RF Pad Antenna, SMT	100B	S
XB3-24Z8RS-J	Digi XBee® 3 - 2.4 GHz ZB 3.0, RF Pad Antenna, SMT	100B	S
XB3-24Z8ST	Digi XBee® 3 PRO - 2.4 GHz ZB 3.0, SMA Antenna, TH MT	100B	N
XB3-24Z8ST-J	Digi XBee® 3 - 2.4 GHz ZB 3.0, SMA Antenna, TH MT	100B	N
XB3-24Z8UM	Digi XBee® 3 PRO - 2.4 GHz ZB 3.0, U.FL Antenna Connector, MMT	100B	S
XB3-24Z8UM-J	Digi XBee® 3 - 2.4 GHz ZB 3.0, U.FL Antenna Connector, MMT	100B	S
XB3-24Z8US	Digi XBee® 3 PRO - 2.4 GHz ZB 3.0, U.FL Antenna Connector, SMT	100B	S
XB3-24Z8US-J	Digi XBee® 3 - 2.4 GHz ZB 3.0, U.FL Antenna Connector, SMT	100B	S
XB3-24Z8UT	Digi XBee® 3 PRO - 2.4 GHz ZB 3.0, U.FL Antenna Connector, TH MT	100B	N
XB3-24Z8UT-J	Digi XBee® 3 - 2.4 GHz ZB 3.0, U.FL Antenna Connector, TH MT	100B	N
XU3-A11	Digi XBee® 3 USB Adapter Zigbee PRO	200B	F

Module revision may be found on Digi XBee device labels as shown below:

