

Product Change Notification		Date May 18, 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 x00A has been released and is available on the Digi support site. The new firmware includes the following exciting new features and enhancements:</p> <ul style="list-style-type: none"> • Bluetooth support is now equivalent across all Digi XBee® 3 variants and includes <ul style="list-style-type: none"> • GAP connect, GAP scan (advertisement discovery), GAP advertise, and custom advertising including beaconing via MicroPython • GATT client operations via MicroPython for discovering services and connecting XBees to other Bluetooth devices • BP command allows adjustment of the BLE advertisement power level • BI command allows configuration of the name that appears in the BLE advertisement • OTA firmware update enhancements <ul style="list-style-type: none"> • Multiple changes for improved alignment with the ZCL specification • OTA update performance improvements for challenging wireless environments • OTA update scheduling for specific times or delays • Flexible OTA image block sizes • Security Enhancements <ul style="list-style-type: none"> • Trust Center Backup and Restore commands added (Zigbee 100A only) to enable creation of backup file of a centralized Trust Center's configuration and network security parameters, which can be retrieved from the file system and used by a new Digi XBee® to restore the Trust Center in the event of a hardware failure of the original device without requiring the network to be reformed • Automatic Zigbee network key rotation • An OTA update server can be specified with the US command. Firmware updates will only be accepted from the specified update server. • Increased RAM available to the MicroPython interpreter to allow for more complex applications. • Added MicroPython watchdog feature for improved fault mitigation and robustness • Enhanced Zigbee join window control, including a visual indicator of when joining is allowed. • Numerous additional enhancements and bug fixes
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	<ul style="list-style-type: none"> • Includes updates that were added in previous minor releases: <ul style="list-style-type: none"> • Expansion of Digi TrustFence® to include Secure Session, which is end-to-end APS encryption via SRP authentication. • Added location parameters to configuration for use with Digi Remote Manager and Network Assistant to track device location based on GPS coordinates saved to flash • Enhanced Network Watchdog to allow routers and end devices the option to follow coordinator in event of PAN ID change • Added modem statuses to identify PAN ID conflicts • Refreshed Digi XBee® ANSI C library for full Digi XBee® 3 support • See release notes for more details: <ul style="list-style-type: none"> • Zigbee 100A: http://ftp1.digi.com/support/firmware/release_notes/XB3-24Z/93001300_K.pdf • 802.15.4 200A: http://ftp1.digi.com/support/firmware/release_notes/XB3-24A/93001305_F.pdf • DigiMesh 300A: http://ftp1.digi.com/support/firmware/release_notes/XB3-24DM/93001308_F.pdf
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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 XCTU via Digi's FTP site (XCTU User Guide, XBee FW Updates via XCTU) and through the Digi Support page. 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	200A	L
XB3-24ACM-J	Digi XBee® 3, 2.4 Ghz, 802.15.4, Chip Ant, MMT	200A	L
XB3-24ARM	Digi XBee® 3 PRO, 2.4 Ghz, 802.15.4, RF Pad Ant, MMT	200A	L
XB3-24ARM-J	Digi XBee® 3, 2.4 Ghz, 802.15.4, RF Pad Ant, MMT	200A	L
XB3-24AUM	Digi XBee® 3 PRO, 2.4 Ghz, 802.15.4, U.FL Ant, MMT	200A	L
XB3-24AUM-J	Digi XBee® 3, 2.4 Ghz, 802.15.4, U.FL Ant, MMT	200A	L
XB3-24DMCM	Digi XBee® 3 PRO, 2.4 Ghz DM, Chip Ant, MMT	300A	K
XB3-24DMCM-J	Digi XBee® 3, 2.4 Ghz DM, Chip Ant, MMT	300A	K
XB3-24DMRM	Digi XBee® 3 PRO, 2.4 Ghz DM, RF Pad Ant, MMT	300A	K
XB3-24DMRM-J	Digi XBee® 3, 2.4 Ghz DM, RF Pad Ant, MMT	300A	K
XB3-24DMUM	Digi XBee® 3 PRO, 2.4 Ghz DM, U.FL Ant, MMT	300A	K
XB3-24DMUM-J	Digi XBee® 3, 2.4 Ghz DM, U.FL Ant, MMT	300A	K
XB3-24Z8CM	Digi XBee® 3 PRO, 2.4 Ghz ZB 3.0, Chip Ant, MMT	100A	R
XB3-24Z8CM-J	Digi XBee® 3 - 2.4 GHz ZB 3.0, Chip Antenna, MMT	100A	R
XB3-24Z8PS	Digi XBee® 3 PRO - 2.4 GHz ZB 3.0, PCB Antenna, SMT	100A	R
XB3-24Z8PS-J	Digi XBee® 3 - 2.4 GHz ZB 3.0, PCB Antenna, SMT	100A	R
XB3-24Z8PT	Digi XBee® 3 PRO - 2.4 GHz ZB 3.0, PCB Antenna, TH MT	100A	N
XB3-24Z8PT-J	Digi XBee® 3 - 2.4 GHz ZB 3.0, PCB Antenna, TH MT	100A	N
XB3-24Z8RM	Digi XBee® 3 PRO - 2.4 GHz ZB 3.0, RF Pad Antenna, MMT	100A	R
XB3-24Z8RM-J	Digi XBee® 3 - 2.4 GHz ZB 3.0, RF Pad Antenna, MMT	100A	R
XB3-24Z8RS	Digi XBee® 3 PRO - 2.4 GHz ZB 3.0, RF Pad Antenna, SMT	100A	R
XB3-24Z8RS-J	Digi XBee® 3 - 2.4 GHz ZB 3.0, RF Pad Antenna, SMT	100A	R
XB3-24Z8ST	Digi XBee® 3 PRO - 2.4 GHz ZB 3.0, SMA Antenna, TH MT	100A	M
XB3-24Z8ST-J	Digi XBee® 3 - 2.4 GHz ZB 3.0, SMA Antenna, TH MT	100A	M
XB3-24Z8UM	Digi XBee® 3 PRO - 2.4 GHz ZB 3.0, U.FL Antenna Connector, MMT	100A	R
XB3-24Z8UM-J	Digi XBee® 3 - 2.4 GHz ZB 3.0, U.FL Antenna Connector, MMT	100A	R
XB3-24Z8US	Digi XBee® 3 PRO - 2.4 GHz ZB 3.0, U.FL Antenna Connector, SMT	100A	R
XB3-24Z8US-J	Digi XBee® 3 - 2.4 GHz ZB 3.0, U.FL Antenna Connector, SMT	100A	R
XB3-24Z8UT	Digi XBee® 3 PRO - 2.4 GHz ZB 3.0, U.FL Antenna Connector, TH MT	100A	M
XB3-24Z8UT-J	Digi XBee® 3 - 2.4 GHz ZB 3.0, U.FL Antenna Connector, TH MT	100A	M
XU3-A11	Digi XBee® 3 USB Adapter Zigbee PRO	200A	E

Device Label:

CE ANATEL: 06329-18-01209

MODEL: XBee3

FCC ID: MCQ-XBEE3

IC: 1846A-XBEE3

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