



Product Change Notification		Date: July 14, 2021
Product	Digi XBee® 3 RF Modules	
Notice Number	210714-01	

Audience	All Digi XBee ® 3 product distributors and customers
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Product Notice	<p>Digi XBee® 3 (Zigbee, 802.15.4, and DigiMesh variants) Firmware version x00D has been released and is available on the Digi support site. This firmware has been released to support the upcoming removal of the Microchip/Atmel secure element hardware chip from the XBee 3 design.</p> <p>Due to shortages of raw materials and/or insufficient production capacity caused by the ongoing pandemic, global supply chain has tightened and severe shortages are common for key electronic components, including the secure element hardware chip that has been used in the XBee 3 to date. Removing the chip will allow Digi to mitigate shortages specific to the secure element chip while maintaining form, fit, and function. See the table below for affected SKUs, hardware revision numbers with the hardware change, and earliest expected timing for the hardware change.</p> <p>All security functionality that previously utilized the secure element hardware chip will be moved to the SiliconLabs EFR32 microcontroller. Digi Trustfence security processes traditionally implemented in the secure element that will be implemented in the EFR32 include support for secure boot secure code/digital signing processes, a random number generator with seeding backed by physical processes and cryptographically secure output, and a secure storage location with protection from side channel attacks.</p> <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 100D release notes: https://ftp1.digi.com/support/firmware/release_notes/XB3-24Z/93001300_M.pdf• XBee 3 Zigbee Product Support Page• 802.15.4 200D Release Notes: https://ftp1.digi.com/support/firmware/release_notes/XB3-24A/93001305_J.pdf• XBee 3 802.15.4 Product Support Page• DigiMesh 300D Release Notes: https://ftp1.digi.com/support/firmware/release_notes/XB3-24DM/93001308_H.pdf• XBee 3 DigiMesh Product Support Page
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Recommended Action	<p>Firmware x00D operates without the secure element chip, and therefore can work on all hardware, with or without the secure element. Firmware revisions prior to x00D that rely on the secure element chip, however, cannot operate on upcoming hardware revisions that will not contain the secure element. Digi recommends that any customers who typically program firmware versions prior to x00D in their manufacturing environment prepare to program the x00D or newer firmware as soon as possible. New firmware may be downloaded and tested on current hardware revisions.</p> <p>The hardware revision can be determined by querying the %C AT command. Modules with a %C value of 2 or greater cannot run bootloader versions prior to x00D.</p> <p>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 revision numbers that will ship with the hardware change and the updated x00D software are provided in the table below.</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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Part Number	New firmware revision	Last module revision with secure element	First planned module revision with secure element removed	Earliest estimated timing of new module revision with secure element removed
XB3-24ACM	200D	P	Q	August 2021
XB3-24ACM-J	200D	P	Q	August 2021
XB3-24ARM	200D	P	Q	August 2021
XB3-24ARM-J	200D	P	Q	August 2021
XB3-24AUM	200D	P	Q	August 2021
XB3-24AUM-J	200D	P	Q	August 2021
XB3-24AUS	200D	B	C	August 2021
XB3-24APS	200D	B	C	August 2021
XB3-24ARS	200D	B	C	August 2021
XB3-24AUT	200D	B	C	August 2021
XB3-24APT	200D	B	C	August 2021
XB3-24AST	200D	B	C	August 2021
XB3-24AUS-J	200D	B	C	August 2021
XB3-24APS-J	200D	B	C	August 2021
XB3-24ARS-J	200D	B	C	August 2021
XB3-24AUT-J	200D	B	C	August 2021

XB3-24APT-J	200D	B	C	August 2021
XB3-24AST-J	200D	B	C	August 2021
XB3-24DMCM	300D	M	N	August 2021
XB3-24DMCM-J	300D	M	N	August 2021
XB3-24DMRM	300D	M	N	August 2021
XB3-24DMRM-J	300D	M	N	August 2021
XB3-24DMUM	300D	M	N	August 2021
XB3-24DMUM-J	300D	M	N	August 2021
XB3-24DMUS	300D	B	C	August 2021
XB3-24DMPS	300D	B	C	August 2021
XB3-24DMRS	300D	B	C	August 2021
XB3-24DMUT	300D	B	C	August 2021
XB3-24DMPT	300D	B	C	August 2021
XB3-24DMST	300D	B	C	August 2021
XB3-24DMUS-J	300D	B	C	August 2021
XB3-24DMPS-J	300D	B	C	August 2021
XB3-24DMRS-J	300D	B	C	August 2021
XB3-24DMUT-J	300D	B	C	August 2021
XB3-24DMPT-J	300D	B	C	August 2021
XB3-24DMST-J	300D	B	C	August 2021
XB3-24Z8CM	100D	T	U	August 2021
XB3-24Z8CM-J	100D	T	U	August 2021
XB3-24Z8PS	100D	T	U	August 2021
XB3-24Z8PS-J	100D	T	U	August 2021
XB3-24Z8PT	100D	R	S	August 2021
XB3-24Z8PT-J	100D	R	S	August 2021
XB3-24Z8RM	100D	T	U	August 2021
XB3-24Z8RM-J	100D	T	U	July 2021
XB3-24Z8RS	100D	T	U	August 2021
XB3-24Z8RS-J	100D	T	U	August 2021
XB3-24Z8ST	100D	P	Q	August 2021
XB3-24Z8ST-J	100D	P	Q	August 2021
XB3-24Z8UM	100D	T	U	August 2021
XB3-24Z8UM-J	100D	T	U	August 2021
XB3-24Z8US	100D	T	U	August 2021
XB3-24Z8US-J	100D	T	U	August 2021
XB3-24Z8UT	100D	P	Q	August 2021
XB3-24Z8UT-J	100D	P	Q	August 2021
XU3-A11	200D	J	K	August 2021

Authorization	Digi International Product Management
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Module revision may be found on Digi XBee device labels as shown below:

