



PRODUCT NOTICE #150903: XBEE-PRO ZIGBEE (S2C) SMT PA UPDATE

Date:

September 3, 2015

Product:

XBee-PRO ZigBee (S2C) SMT Modules

Notice:

Starting October 1, 2015, XBee-PRO ZigBee (S2C) SMT modules will begin being built and shipped with a new power amplifier which is required due to the EOL of the current power amplifier by our supplier. Please reference the list of affected part numbers below and associated hardware revision. Digi anticipates approximately a three month period following October 1, 2015 in which both revisions of the hardware may be shipping until existing inventory of the old hardware revision is depleted. Note that this change does not affect the non-PRO variants of the XBee ZigBee (S2C) SMT modules.

Considerations:

- The new power amplifier will draw up to an additional 20mA of transmit current at 3.3 VDC. This is an increase to 120mA from the previous 100mA.
- Hardware with the new PA must use 4x55 and above firmware. Any firmware prior to 4x55 will not work because of a change to the hardware version parameter. If you are currently using firmware older than 4x55, we recommend that you start evaluating updating this firmware. We recommend that you use the most recent firmware version which can be flashed using [XCTU](#).
- The FCC and IC IDs have changed due to re-certification which is required because of the hardware change. Product labeling must be updated accordingly.

Certification	Old	New
United States (FCC Part 15.247)	MCQ-XBPS2C	MCQ-PS2CSM
Industry Canada (IC)	1846A-XBPS2C	1846A-PS2CSM

Recommendation for Customers:

It is critical that extra caution is taken during this transition period to ensure that your product references the correct FCC/IC ID to maintain regulatory compliance. You will be able to tell which FCC/IC ID you are receiving by referencing the hardware revision as shown in the table on the following page. The new hardware revision will contain the new FCC/IC ID and increased transmit current. In addition, the new revisions of the hardware will contain the FCC/IC ID on the product label (see below). Please refer to the Agency Certifications section of the [XBee-PRO ZigBee \(S2C\) Product Manual](#) for labeling requirements.

Note that both FCC IDs and/or IC IDs can be listed on the same label. For example:
 Contains FCC ID: MCQ-PS2CSM or MCQ-XBPS2C

Recommendation for Distribution:

Digi recommends that all distributors sell through any existing inventory of these products.

Part Number and Revision Level Guide:

		Old Revision	New Revision
Factory loaded firmware version:		v 4x55	v 4x55
Can module's firmware be downgraded (if needed)?		Yes	No
Can module's firmware be upgraded?		Yes	Yes
FCC ID Code		MCQ-XBPS2C	MCQ-PS2CSM
Industry Canada (IC)		1846A-XBPS2C	1846A-PS2CSM
Item Number	Item Description	Old Revision	New Revision
XK-Z11-S	ZigBee SMT RF Module Dev Kit	L1	M
XK-Z11-S-WA	ZigBee SMT RF Module Dev Kit - Australia	L1	M
XBP24CZ7PIS-004	XBP, ZB S2C SMT PCB Ant AT	K	L
XBP24CZ7PIS-I085	XBP, ZB S2C SMT PCB Ant AT	C	D
XBP24CZ7PIS-I094	XBP, ZB S2C SMT PCB Ant AT	B	C
XBP24CZ7RIS-004	XBP, ZB S2C SMT RF Pad AT	K	L
XBP24CZ7RIS-I095	XBP, ZB S2C SMT RF Pad AT	A	B
XBP24CZ7UIS-004	XBP, ZB S2C SMT UFL AT	K	L
XBP24CZ7UIS-I090	XBP, ZB S2C SMT UFL AT	C	D
XK2-Z7SB0	XBP, ZB SMT 32K Prog Dev Kit US	J	K
XBP24CZ7PISB003	XBP ZB S2C SMT,Prog 32K,PCB An	K	L
XBP24CZ7PISB701	XBP, ZB S2C SMT PCB Ant (Converted Prog)	D	E
XBP24CZ7RISB003	XBP, ZB S2C SMT Prog 32K RF AP	L	M
XBP24CZ7RISB701	XBP, ZB S2C SMT RF Pad Ant (Converted Prog)	D	E
XBP24CZ7UISB003	XBP, ZB S2C SMT,Prog 32K,UFL	K	L
XBP24CZ7UISB701	XBP, ZB S2C SMT U.FL Ant (Converted Prog)	D	E

Additional Information:

If you have questions or need assistance with this transition, please contact your Digi sales representative or our support department via telephone at 801-765-9885 and reference Product Notice #150903.

The following shows a sample XBee label and how to find the Hardware Revision and other relevant information.



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