Product Change Notification: XBee/XBee-PRO DigiMesh 900 & 2.4 Firmware Update

Overview of Change

Effective immediately the XBee/XBee-PRO DigiMesh 900 and DigiMesh 2.4 module production firmware has changed in manufacturing to the new DigiMesh 8x4x firmware. New revisions will be in stock and begin shipping on October 15, 2009.

Details:

- As a result of some significant enhancements, DigiMesh 8x4x firmware is NOT BACKWARD COMPATIBLE with previous versions of firmware. Networks with mixed nodes (some with old firmware, some with new firmware) will not operate properly. Channel partners and customers are encouraged to re-work inventory and begin using the new DigiMesh 8x4x firmware.
- New firmware version for XBee-PRO DigiMesh 900 is 8044. New firmware version for XBee/XBee-PRO DigiMesh 2.4 is 804B.
- The new firmware versions offers these features:
 - ADC/DIO support
 - AES 128-bit encryption
- Improved drift rate calculation by ~40%, which reduces wake time requirements and ultimately increases battery life
- Added flexibility for synchronizing mixed networks of both sleeping and non-sleeping nodes
- Still no single point of failure with key features like sleep coordinator nomination and self-healing mesh networking
- Easy network setup with button-press synchronization
- Added user control to enable or disable route discovery to minimize network traffic if needed
- For customers who wish to begin working with the new firmware, it is available immediately for download by using X-CTU > Modem Configuration tab > Download new versions... button > Web.
- More details can be found on our Support site at http://www.digi.com/support/productdetl.jsp?pid=3518&osvid=0&s=377&tp=2 (DigiMesh 900) and http://www.digi.com/support/productdetl.jsp?pid=3524&osvid=0&s=378&tp=2 (DigiMesh 2.4), including:
 - Firmware revision history
 - Firmware download
 - Instructructions for downloading and installing new firmware

See page 2 of this PCN for a sample XBee label and how to find the Revision and other relevant information.

Product Part Numbers Affected	Effective Date	Pricing Changes	New Revision	Hardware Changes	Software Changes	Other
XBP09-DMSIT-156	10/15/2009	None	Ε	None	8044 firmware	NA
XBP09-DMUIT-156	10/15/2009	None	Ε	None	8044 firmware	NA
XBP09-DMWIT-156	10/15/2009	None	Ε	None	8044 firmware	NA
XBP09-DMDK	10/15/2009	None	С	None	8044 firmware	NA
XB24-DMCIT-250	10/15/2009	None	В	None	804B firmware	NA
XB24-DMSIT-250	10/15/2009	None	В	None	804B firmware	NA
XB24-DMUIT-250	10/15/2009	None	В	None	804B firmware	NA
XB24-DMWIT-250	10/15/2009	None	В	None	804B firmware	NA
XBP24-DMCIT-250	10/15/2009	None	В	None	804B firmware	NA
XBP24-DMSIT-250	10/15/2009	None	В	None	804B firmware	NA
XBP24-DMUIT-250	10/15/2009	None	В	None	804B firmware	NA
XBP24-DMWIT-250	10/15/2009	None	В	None	804B firmware	NA
XBP24-DMCIT-250J	10/15/2009	None	В	None	804B firmware	NA
XBP24-DMSIT-250J	10/15/2009	None	В	None	804B firmware	NA
XBP24-DMUIT-250J	10/15/2009	None	В	None	804B firmware	NA
XBP24-DMWIT-250J	10/15/2009	None	В	None	804B firmware	NA
XB24-DMDK	10/15/2009	None	В	None	804B firmware	NA .
XB24-DMDK-WJ	10/15/2009	None	В	None	804B firmware	NA



Location of label items will vary by product, and may change over time.