Product Notification

MultiTech's Response to the Arm® Mbed™ Platform and OS End-of-Life Announcement

July 30, 2024

Product Notification (PN) Number: PN 07302024-002

Dear Valued Customers and Partners,

We hope this message finds you well. We are writing to inform you about important developments regarding Arm's Mbed platform and OS, and our ongoing commitment to supporting the MultiTech xDot® product family of modules.

Key Updates:

1. **Mbed platform and OS End-of-Life (EOL):** Arm has announced that Mbed platform and OS will reach its end-of-life in July 2026. Active maintenance for Mbed OS has already ceased.

2. **The device software – Mbed OS:** The Mbed OS codebase is open source and will remain publicly available, but is no longer actively maintained by Arm.

3. **Impact on MultiTech LoRaWAN® Stack:** Our LoRaWAN stack, which is built and certified with Mbed OS, will not be affected by this EOL. This means that the ability to maintain certified xDot modules remains unchanged.

4. **Support for xDot Family:** MultiTech will continue to maintain the current xDot family beyond Arm's Mbed platform and OS EOL date. This includes ongoing enhancements and updates related to new LoRaWAN standards.

5. **Support for Developers:** Customers developing applications for the xDot platform can continue to maintain and enhance their solutions using Arm's off-line tools and the Mbed OS open-source codebase.

6. **Future Product Development:** While MultiTech will no longer develop new products using Mbed OS, we are exploring alternatives and likely to adopt FreeRTOS or a similar Real-Time OS kernel for future products.

7. **Recommendations for Mbed users:** Please review the Arm Mbed OS support forum End of Life update at https://forums.mbed.com/t/important-update-on-mbed-end-of-life/23644.

We are committed to providing seamless support and ensuring the longevity of your investments in our xDot family. Our team is here to assist you with any questions or concerns you may have regarding these changes.

Models Impacted

Models	Description
MultiTech xDot LoRaWAN Modules – Advanced Models	
MTXDOT-NA1-B10-TR-250	xDot Advanced with UFL and Trace Antenna and Tape and Reel Packaging (250 quantity) (US/Canada)
MTXDOT-WW1-B10-TR-250	xDot Advanced with UFL and Trace Antenna and Tape and Reel Packaging (250 quantity), Global (Australia, European Union, India, Japan, Korea, United Kingdom)
MultiTech xDot Micro Developer Kits – for xDot Advanced	
MTMDK-XDOT-NA1-B10	xDot Advanced Developer Kit, includes UFL and Trace Antenna (3-Pack) (US/Canada)
MTMDK-XDOT-WW1-B10	xDot Advanced Developer Kit, includes UFL and Trace Antenna (3-Pack), Global (Australia, European Union, India, Japan, Korea, United Kingdom)
MultiTech mDot LoRaWAN Modules – 915 MHz Models	
MTDOT-915-X1-SMA-50	915 MHz X1 LoRa SMA (50 Pk)
MTDOT-915-X1-SMA-1	915 MHz X1 LoRa SMA (1 Pk)
MTDOT-915-X1P-SMA-50	915 MHz X1 LoRa SMA w/Programming Header (50 Pk)
MTDOT-915-X1P-SMA-1	915 MHz X1 LoRa SMA w/Programming Header (1 Pk)
MTDOT-915-X1-UFL-50	915 MHz X1 LoRa UFL (50 Pk)
MTDOT-915-X1-UFL-1	915 MHz X1 LoRa UFL (1 Pk)
MTDOT-915-M1-UFL-100	915 MHz SMT LoRa UFL (100 Pk)
MTDOT-915-M1-UFL-1	915 MHz SMT LoRa UFL (1 Pk)
MTDOT-915-M1-TRC-100	915 MHz SMT LoRa RF Pad (100 Pk)
MTDOT-915-M1-TRC-1	915 MHz SMT LoRa RF Pad (1 Pk)
MultiTech mDot LoRaWAN Modules – AU915 MHz Models	
MTDOT-915-AU-X1-SMA-50	AU915 MHz X1 LoRa SMA (50 Pk)
MTDOT-915-AU-X1-SMA-1	AU915 MHz X1 LoRa SMA (1 Pk)
MTDOT-915-AU-X1P-SMA-1	AU915 MHz X1 LoRa SMA w/Programming Header (1 Pk)
MTDOT-915-AU-X1-UFL-50	AU915 MHz X1 LoRa UFL (50 Pk)
MTDOT-915-AU-X1-UFL-1	AU915 MHz X1 LoRa UFL (1 Pk)
MTDOT-915-AU-M1-UFL-100	AU915 MHz SMT LoRa UFL (100 Pk)
MTDOT-915-AU-M1-UFL-1	AU915 MHz SMT LoRa UFL (1 Pk)
MTDOT-915-AU-M1-TRC-100	AU915 MHz SMT LoRa RF Pad (100 Pk)
MTDOT-915-AU-M1-TRC-1	AU915 MHz SMT LoRa RF Pad (1 Pk)
MultiTech mDot LoRaWAN Modules – 868 MHz Models	
MTDOT-868-X1-SMA-50	868 MHz X1 LoRa SMA (50 Pk)
MTDOT-868-X1-SMA-1	868 MHz X1 LoRa SMA (1 Pk)
MTDOT-868-X1P-SMA-1	868 MHz X1 LoRa SMA w/Programming Header (1 Pk)
MTDOT-868-X1-UFL-50	868 MHz X1 LoRa UFL (50 Pk)
MTDOT-868-X1-UFL-1	868 MHz X1 LoRa UFL (1 Pk)

Models	Description
MTDOT-868-M1-UFL-100	868 MHz SMT LoRa UFL (100 Pk)
MTDOT-868-M1-UFL-1	868 MHz SMT LoRa UFL (1 Pk)
MTDOT-868-M1-TRC-100	868 MHz SMT LoRa RF Pad (100 Pk)
MTDOT-868-M1-TRC-1	868 MHz SMT LoRa RF Pad (1 Pk)
MultiTech mDot LoRaWAN Modules – AS923 MHz Models	
MTDOT-923-AS1-X1P-SMA-1	AS923 MHz X1 LoRa SMA w/Programming Header (1 Pk)
MTDOT-923-AS1-X1-UFL-50	AS923 MHz X1 LoRa UFL (50 Pk)
MTDOT-923-AS1-X1-UFL-1	AS923 MHz X1 LoRa UFL (1 Pk)
MTDOT-923-AS1-M1-UFL-100	AS923 MHz SMT LoRa UFL (100 Pk)
MTDOT-923-AS1-M1-UFL-1	AS923 MHz SMT LoRa UFL (1 Pk)
MTDOT-923-JP1-X1P-SMA-1	AS923 MHz X1 LoRa SMA w/Programming Header w/LBT (1 Pk)

Thank you for your continued trust and partnership.

If you have any specific questions or need further assistance, please do not hesitate to reach out to our support team.

Contact Information:
- **Email:** support@multitech.com

- **Phone:** +1 (763) 717-5863

- **MultiTech Support Portal:** https://support.multitech.com/support/login.html

Thank you for your attention to this important update.

Best regards,
The MultiTech Team

World Headquarters – U.S.
+1 (763) 785-3500 | sales@multitech.com

EMEA – UK:
+(44) 118 959 7774 | sales@multitech.co.uk

MultiTech Website: www.multitech.com

Revision History

Version	Author	Date	Change Description
-001	DW	07/20/2024	Original version
-002	CM/MS	08/08/2024	Added Impacted Products