

Product Change Notification

SocketModem® Cell Cellular Embedded Modem

New Ordering Part Numbers

MTSMC-MNG6 - 4G-LTE FDD Category M1 Models

Date: June 1, 2024

I. Product Change Notification (PCN) Number

PCN 06012024-002

II. Summary

MultiTech announces new ordering part numbers for the SocketModem Cell Cellular Embedded Modem. These new ordering part numbers include a new cellular module and firmware for use on 4G-LTE Category M1 networks. Current 4G-LTE FDD Cat M1 devices are Not Recommended for New Designs (NRND)

III. Impacted Products

NEW Ordering Part Number	NEW Ordering Part Number Description	NRND Ordering Part Number
SocketModem Cell Cellular Embedded Modem		
MTSMC-MNG6	Embedded LTE Cat M1 Modem/Serial w/GNSS (Global) (50 Pack)	MTSMC-MNA1.R2 MTSMC-MNA1.R1 MTSMC-MNG2.R2 MTSMC-MNG2.R1
MTSMC-MNG6-SP	Embedded LTE Cat M1 Modem/Serial w/GNSS (Global) (1 Pack)	MTSMC-MNA1.R1-SP MTSMC-MNA1.R2-SP MTSMC-MNG2.R1-SP MTSMC-MNG2.R2-SP
MTSMC-MNG6-U	Embedded LTE Cat M1 Modem/USB w/GNSS (Global) (50 Pack)	MTSMC-MNA1-U.R1 MTSMC-MNA1-U.R2 MTSMC-MNG2-U.R1 MTSMC-MNG2-U.R2
MTSMC-MNG6-U-SP	Embedded LTE Cat M1 Modem/USB w/GNSS (Global) (1 Pack)	MTSMC-MNA1-U.R1-SP MTSMC-MNA1-U.R2-SP MTSMC-MNG2-U.R1-SP MTSMC-MNG2-U.R2-SP

IV. Overview of Change

The release of the new MTSMC-MNG6 ordering part numbers include an updated cellular module and firmware version.

Model Numbers	MTSMC-MNG6 Models	MTSMC-MNA1 Models	MTSMC-MNG2 Models
Regions	Australia Canada European Union United Kingdom United States	Canada United States	Australia Canada European Union United Kingdom United States
Performance	3GPP Release 14 4G LTE FDD Cat M1 M1: 588 Kbps peak downlink 1 Mbps peak uplink 2G: 264 Kbps peak downlink 210 Kbps peak uplink	3GPP Release 13 4G-LTE FDD Category M1 300 Kbps peak downlink 375 Kbps peak uplink	3GPP Release 13 4G-LTE FDD Category M1/NB1 M1: 300 Kbps peak downlink 375 Kbps peak uplink NB1: 21 Kbps peak downlink 62.5 Kbps peak uplink
Cellular Module	Telit ME910G1-WW	Telit ME910C1-NA ATT/VZW	Telit ME910C1-WW
Cellular Firmware Version	37.00.XX6	30.00.118	30.00.808
Frequency Bands (MHz)	4G LTE FDD (Europe): B1(2100), B3(1800), B8(900), B20(800) 2G (Europe Fallback): B2(1900), B3(1800), B5(850), B8(900) 4G (AT&T): B2(1900), B4(AWS1700), B12(700) 4G (T-Mobile): B2(1900), B4(AWS1700), B5(850), B66(AWS-3 1700) 4G (Verizon): B4(AWS1700), B13(700) 4G LTE FDD (APAC): B1(2100), B18(800), B19(850), B26(850), B28(700) 4G LTE FDD Bands: B25(1900), B27(800)	4G-Cat M1 FDD (AT&T): B2(1900), B4(AWS1700), B12(700) 4G-Cat M1 FDD (Verizon): B4(AWS1700), B13(700)	4G-Cat M1 FDD (Europe): B3(1800), B8(900), B20(800) 2G (Europe Fallback): B2(1900), B3(1800), B5(850), B8(900) 4G (AT&T): B2(1900), B4(AWS1700), B12(700), B13(700) 4G (Verizon): B4(AWS1700), B13(700)
Telit AT Command Reference Guide	80617ST10991A	80529ST10815A	80529ST10815A
MultiTech Device Guide	S000823	S000708	S000751

Model Numbers	MTSMC-MNG6 Models	MTSMC-MNA1 Models	MTSMC-MNG2 Models
Power Draw Serial Models @ 5VDC	Sleep Mode: 23 mA Idle: 28 mA Max Power: 213 mA (average)	Sleep Mode: 9 mA Idle: 14 mA Max Power: 122 mA (average)	Sleep Mode: 6 mA Idle: 14 mA Max Power: 191 mA (average)
Power Draw USB Models @ 5VDC	Sleep Mode: n/a Idle: 39 mA Max Power: 253 mA (average)	Sleep Mode: n/a Idle: 28 mA Max Power: 151 mA (average)	Sleep Mode: n/a Idle: 27 mA Max Power: 205 mA (average)

V. Key Dates

New MTSMC-MNG6 Ordering Part Numbers

Shipping: June 2024

MTSMC-MNA1 Ordering Part Numbers

Not Recommended for New Designs (NRND): June 1, 2024

MTSMC-MNG2 Ordering Part Numbers

Not Recommended for New Designs (NRND): June 1, 2024

VI. Warranty and Support

Two-Year Product Warranty

MultiTech products include a two-year warranty that includes on-line technical support.

VIII. Suggested Action Plan

To help facilitate the launch of the new ordering part numbers, we recommend the following actions be taken:

- Forward this announcement to others within your organization who are actively involved in the sale or support of cellular modems.
- Ensure that the new ordering part numbers are loaded in your pricing system.
- Place initial stocking orders for the new ordering part numbers.
- Use the new ordering part numbers for all new design registrations.

IX. Additional Information

If you have any questions or require additional information on this Product Change Notification, please contact your MultiTech sales representative or visit the technical resources listed below:

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MultiTech Support Portal: <https://support.multitech.com/support/login.html>

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Revision History

Version	Author	Date	Change Description
-001	DT	06/01/2024	Original version
-002	CM/TG/DW	01/24/2025	Updates to Max Power for MTSMC-MNG6 in Section IV