MTX-LTE-C3-Audio
LTE / HSPA+ Industrial IoT Modem with Audio support

MTX-LTE-C3-Audio Family is a new industrial modem with 4G/3G/2G, designed for high speed data transmission rates and low latency applications. It supports voice applications thanks to its embedded audio codec.

MTX-LTE-C3-Audio Family is a self-contained modem with its own SIM card reader and a USB 2.0 High Speed and RS232 interface, minimizing the need for further hardware. This modem is a powerful and flexible device that can be integrated in a wide range of telemetry applications that rely on the remote exchange of data or SMS via GSM cellular network.

MTX-LTE-C3-Audio Family can be used in industrial applications due to its extended operating temperature range. It also features an automatic restart after shutdown in case of faulty power conditions.
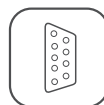
MAIN FEATURES

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4G 3G/2G LTE, HSPA+, UMTS, GPRS	**Audio**	**RS232**	**USB 2.0**	**GPS/GLONASS**
Automatic restart	**Multi OS support**	**AT commands**	**Internet services**	

- ⚡ DC Input: 7 to 35 Vdc
- 🌡 Temperature range: -30º to +85ºC
- ⬚ Dimensions: 78.1x66.8x37.2mm
- ⚖ Weight: <190gr

CE FC PTCRB RoHS compliant ISO 9001

HARDWARE FEATURES

MTX-LTE-C3-AUDIO 4G

Penta band LTE (800, 900, 1800, 2100, 2600MHz); tri band UMTS (900, 1800, 2100MHz); dual band GSM/GPRS/EDGE (900, 1800MHz)

LTE cat.3: DL 100Mbps, UL 50Mbps

HSPA+: DL cat.24, UL cat.6; dual carrier DL 42Mbps, UL 5.76Mbps
UMTS: DL 384kbps, UL 384kbps
EDGE class 12: DL 237kbps, UL 237kbps
GPRS class 12: DL 85.6kbps, UL 85.6kbps

SMS text and PDU mode

VOICE:
AMR, EFR, FR HR codecs
CEPT/ANSI supervisory tones supported
Handset, Headset, Hands-free modes
Speakerphone operation
TTY supported

Interfaces

4G/3G/2G connectivity

USB 2.0 high speed port up to 480Mbps

RS232 (8-wire)

SIM card interface 3V, 1.8V

Handset audio interface

Plug-in power supply

GPS

Connectors

2x LTE SMA F antennas

USB 2.0

DB9 F: RS232 (8-wire)

RJ11: handset audio

RJ11: power supply

SOFTWARE FEATURES

General Features

- SIM application toolkit, 3GPP release 99
- Automatic restart
- Multi OS support
- Control via AT commands
- TCP/IP stacks access via AT commands
- Internet services: TCP, UDP, HTTP, FTP, SMTP, POP3
- Standalone GPS/GLONASS: GNSS AT commands, tracking sensitivity >-158dBm

Drivers

- NDIS/USB driver for Microsoft, Windows Vista, Windows 7 and Windows 8
- RIL driver for devices based on Android OS
- SB driver for Microsoft Windows Embedded Compact
- CDC-ACM compliant mode for Linux

ORDERING INFORMATION

MTX-LTE-C3-Audio	**199801442**
MTX-LTE-C3-AG	**199801444**