MTX-StarFire II

LTE/4G IoT gateway for alarm management 36x analog inputs

MTX-StaFire II is an industrial high-end BMS gateway for alarm managing with a set of interfaces. It provides an easy integration and powerful interfaces. The MTX-StarFire II has an optimized low power consumption that allows to use a LiPo battery to keep running the system, including the continuous communication with Cervello, for more than 12/24 hours without any external power supply and 36 universal inputs designed to work with EOLR.

MAIN FEATURES

4G 3G/2G	RS232 RS485	IN OUT	IN OUT	Ethernet	Tamper device	iButton	Linux
4G/3G	RS232 RS485	36x analog inputs	4x digital I/Os	Ethernet	Tamper device	iButton	Linux

CSD SMS	>_	Remote update
Legacy communic.	AT commands	Remote update

⚡ DC input: 90-264 VAC / 120-370 VDC
🌡 Temperature range: -30° to 70°C
⬓ Dimensions: 216x166x55mm
🔌 Weight: 1.2kg approx.

CE FC PTCRB RoHS compliant ISO 9001

HARDWARE FEATURES

MTX-STARFIRE II 4G Cat.1

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	LTE 5 Bands (700, 800, 900, 1800, 2100MHz), GSM/GPRS/EDGE: 2 Bands (900, 1800MHz)
4G	LTE Cat.1: DL 10.2Mbps, UL 5.2Mbps
3G	HSPA: DL 7.2Mbps, UL 5.7Mbps UMTS PS: DL 384Mbps, UL 384 Mbps, CS: DL 64Mbps, UL 64Mbps
2G	EDGE Class 12 data rates, DL: max. 237 kbps, UL: max. 237 kbps GPRS Class 12 data rates, DL: max. 85.6 kbps, UL: max. 85.6 kbps
CSD	CSD data transmission up to 9.6 kbps, V.110, non-transparent
SMS	SMS: text and PDU mode support, point-to-point MO and MT, cell broadcast

Interfaces

- 4G/3G/2G connectivity
- 1x RS232
- SIM card interface 1.8V and 3V
- 36x analog inputs
- 2x RS485
- 4x digital I/O
- 1x Ethernet
- 1x ibutton reader
- Power supply (12VDC)
- Operating status LEDs

Connectors

- 2x u.fl connectors
- 1x DB9 F connector: RS232
- 1x 2-way plug-in: power supply
- 36x 2-way plug-in: analog signal
- 2x 3-way plug-in: RS485
- 1x 5-way plug-in: 4x digital I/O
- 1x RJ45: Ethernet
- 1x 2-way plug-in: ibutton reader

SOFTWARE FEATURES

- SIM application toolkit, 3GPP release 99
- Control and TCP/IP stacks access via AT commands
- Internet services: TCP, UDP, HTTP, FTP, SMTP, POP3
- Compatible with Cervello Device Manager

- Remote firmware update
- Tampering control
- User identification with ibutton