

MTX-GATEWAY-IND Terminal

Industrial Outdoor Linux Programmable terminal with GSM & RF options



Quad Band LTE
Tri Band HSPA+
UMTS (WCDMA)



GSM
GPRS/EDGE
Quad/Dual Band



Ethernet



Wi-Fi b/g/n



I2C
GPIO



USB 2.0 OTG
RS232/RS485
CAN/1-Wire



Relay outputs



GPS



Outdoor
IP65 compliant



Extended
Temperature
Range



GNU/Linux



Java support



The MTX-GATEWAY-IND terminal is an **innovative & unlimited power industrial terminal** with a complete set of interfaces (RS232/485/422, CAN, USB OTG, GPIO...) powered by an ARM9 processor module with embedded Linux and Java VM. Its easy integration and powerful interfaces avoids further hardware components.

The MTX-GATEWAY-IND embeds an industrial Freescale i.MX28 (TQMa28) module ARM9@454MHz RAM@128MB FLASH@4GB EEPROM@32KB.

Plenty of interfaces: Ethernet, Wi-Fi, USB OTG, RS232, RS485, RS422, CAN, 1-Wire, I2C, GPIOs, relays and a VGA video port; it can be used in **infinite M2M applications**. Its internal **mini-PCIe slot** can accommodate any communication board you need: LTE & GPS, HSPA+ & GPS, HSPA, GPRS, GPS, Wi-Fi or Bluetooth.

Internal GPS and/or Wi-Fi (b/g/n) modules can be optionally ordered; as well as other RF modules such: Bluetooth Low Energy, ZigBee, Wireless MBUS/KNX, 868/900MHz RF-ISM, Wavenis/Coronis, XBEE, EnOcean, Z-Wave, 6LoWPAN etc.

It is manufactured following the ISO-9001 & ISO-14001 Quality certifications and it's RoHS/WEEE compliant.

MTX-GATEWAY-IND Terminal

General features

- IP65 enclosure
- Supply voltage range:
 - AC input: 90 to 264VAC
 - DC input: 24V (7 to 50VDC)
- Operating temperature range: -40°C to +85°C
- Dimensions, excluding connectors or cable glands: 200 x 120 x 77mm
- Weight: <500 g

Interfaces

- Ethernet 10/100 BaseT RJ45
- Internal Wi-Fi b/g/n (AP support)
- Internal MiniPCIe socket for M2M communications (See available modules below)
- USB 2.0 OTG
- HD-Dsub15 (also available as plug-In type terminal block):
 - 2x RS232 (2 wires)
 - 1x RS232/485/422 (4 wires)
 - 1x GPIO (3V)
 - 1-Wire interface
 - CAN
 - Vout (24VDC)
- Relay with plug-in type terminal blocks:
 - 2x 8A/250VAC relays (by default)
 - 1x 1A/30VDC Latch relay (under request)
- Operating status LEDs
- SIM card interface 1.8V/3V
- VGA connector (depending on model)
- Internal RF module socket

Processor

- Powered by TQ-Components TQMa28 module
 - Freescale i.MX28 (ARM9 architecture)
 - 454MHz clock CPU freq
 - 128MB DDR2
 - 4GB eMMC Flash
 - 32KB EEPROM
 - Linux Kernel 3.10
 - Java VM loaded

Ordering information

MTX-GATEWAY-IND V1.00

- Ordering code: 199801318
- Terminal only. It does not include accessories

Optional modules and expansions

- Internal GPS receiver
- MiniPCIe socket modules available:
 - LTE & GPS
 - HSPA+ & GPS
 - HSPA
 - GPRS
 - GPS
 - WiFi
- RF module socket modules available:
 - Bluetooth v2.1 EDR Class 2
 - Bluetooth v4.0 Low Energy
 - ZigBee
 - ISM 868/900MHz
 - Wavenis/Coronis 25/500mW
 - Wireless MBUS/KNX
 - XBEE socket
 - Any other technology under request