

INDUSTRIAL PRODUCT DATASHEET

LTE Cat 4 EC25-EUX-mini-PCle - 2G/3G/4G communication, built-in multiple GNSS, EMEA and Thai operators supported

EC25-EUX-mini-PCle LTE Cat 4 module with multi-GNSS and low power for EMEA and Thai operators, suitable for industrial and tracking applications.

SKU

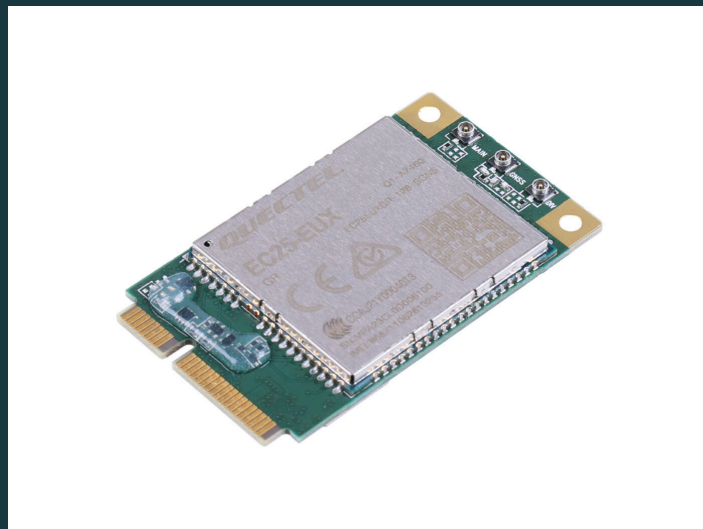
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PRICE

\$42.40(Excl. VAT)



Overview

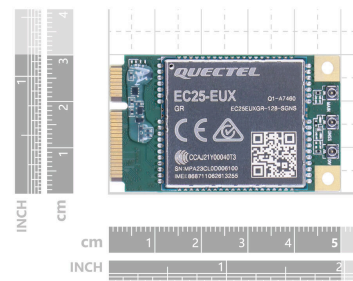
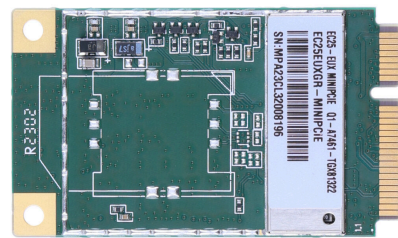


The LTE Cat 4 EC25-EUX-mini-PCle is a plug-and-play mini PCIe module supporting 2G/3G/4G networks, built-in multi-GNSS (GPS/GLONASS/BDS/Galileo/QZSS), and low power consumption (sleep: 1.67 mA, idle: 18.51 mA). It is ideal for applications such as industrial routers, smart homes, industrial automation, green energy, smart security, mobile gateway, personal tracking, and environmental monitoring.

Key Features

- **Plug-and-play LTE Cat 4 wireless communication module:** Support 2G/3G/4G communication, mounted with standard mini PCIe, ready to use
- **Broad network Compatibility and Applicability:** Supports various mobile communication network technologies, including LTE-FDD, WCDMA
- **Built-in multiple GNSS:** Includes GPS/GLONASS/BDS/Galileo/QZSS. Satisfies the need for fast and accurate positioning in different environmental conditions.
- **Low Power Consumption:** The power consumption of the sleep model is as low as 1.67 mA, and Idle power consumption as low as 18.51 mA
- **Supports EMEA and Thai, operators**

Product Gallery



Specification

Specification	Value
Cellular technology	LTE Cat 4
Region/Carrier	EMEA/Thai
Size	30.0 x 51.0 x 4.9 mm
Temperature range	-35°C to +75°C (operating) -40°C to +80°C (extended)
Cellular bands	LTE-FDD: B1/3/7/8/20/28A (4G) LTE-TDD: B38/40/41 (4G) WCDMA: B1/8 (3G) GSM/EDGE: B3/8(2G)
GNSS support	GPS/GLONASS/BDS/Galileo/QZSS (optional)
Compulsory Authentication	Global : GCF Europe : CE Taiwan (China) : NCC Australia/New Zealand : RCM
Other Certification	RoHS/WHQL
Data rates	LTE-FDD (Mbps): 150 Mbps (downlink) / 50 Mbps (uplink), LTE-TDD (Mbps): 130 Mbps (downlink) / 30 Mbps (uplink), DC-HSPA+: 42 Mbps (downlink) / 5.76 Mbps (uplink), WCDMA: 384 kbps (downlink/uplink), EDGE: 296 Mbps (downlink) / 236.8 Mbps (uplink), GPRS: 107 Mbps (downlink) / 85.6 Mbps (uplink),
Voice codecs	HR/FR/EFR/AMR/AMR-WB
Echo algorithm	Echo cancellation, noise suppression
Voice services	Digital voice, VoLTE
USB to serial port driver	Windows 7/8/8.1/10/11, Linux 2.6~5.18, Android 4.x~12.x
GNSS and RIL driver	Android 4.x~12.x
USB NDIS driver	Windows 7/8/8.1/10/11
USB GobiNet Driver	Linux 2.6~5.18
USB QMI_WWAN Driver	Linux 3.4~5.18
Power supply voltage	3.0~3.6V, typical value 3.3V
Power consumption (typical)	1.69 mA (sleep), 18.51 mA (idle)

Interface	Quantity
(U)SIM	x1
USB 2.0	x1
Digital audio (PCM)	x1
I2C	x1
LED_wWAN#	x1
W_DISABLE#	x1
UART	x1
PERST#	x1

Applications

- Industrial Router
- Smart Home
- Industrial Automation
- Green Energy
- Smart security
- Mobile gateway
- Personal tracking
- Environmental monitoring

Part List

LTE Cat 4 EC25-EUX-mini-PCIe	x1
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Compliance & Logistics



HSCODE	8517799000
USHSCODE	8517620090
UPC	
EUHSCODE	8517180000
COO	CHINA

Resource Links

- <https://www.seeedstudio.com/LTE-Cat-4-EC25-EUX-mini-PCIe-p-5669.html>

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