

INDUSTRIAL PRODUCT DATASHEET

LTE Cat 4 EC25-AUXGR-mini-PCle

Plug-and-play LTE Cat 4 EC25-AUXGR-mini-PCle module with 2G/3G/4G, multi-GNSS, and low power consumption for Latin America, Australia, and New Zealand applications.

SKU

113991174

UPDATED

2026-09-24 11:55:34

PRICE

\$45.90(Excl. VAT)



Overview

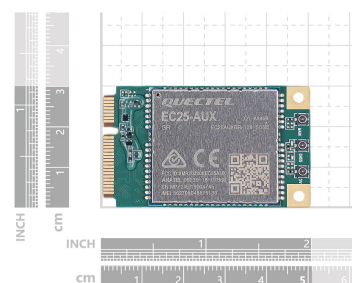
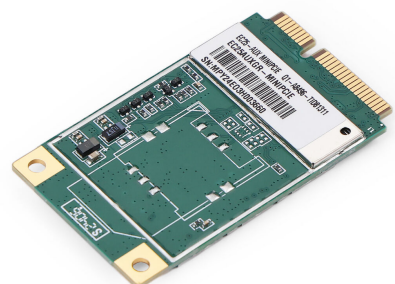
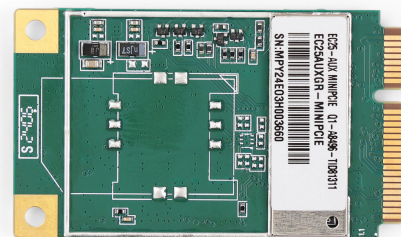
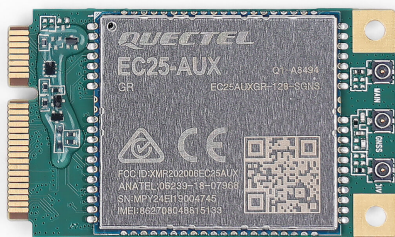


The LTE Cat 4 EC25-AUXGR-mini-PCIE is a plug-and-play wireless communication module supporting 2G/3G/4G (LTE-FDD, WCDMA) with a standard mini PCIe interface, ready to use. It integrates multiple GNSS (GPS/GLONASS/BDS/Galileo/QZSS), features low power consumption (sleep 1.67 mA, idle 18.51 mA), supports Latin America, Australia, and New Zealand operators, and is designed for applications including industrial routers, smart home, industrial automation, green energy, smart security, mobile gateways, 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
- **Support Latin America and Australia and New Zealand Operators**

Product Gallery



Specification

Specification	Value
Cellular technology	LTE Cat 4
Region/Carrier	Latin America and Australia and New Zealand operators
Size	30.0 x 51.0 x 4.9 mm
Temperature range	• 35°C to +75°C (operating) • 40°C to +80°C (extended)
Frequency band Information	LTE-FDD: B1/2/3/4/5/7/8/28 LTE-TDD: B40 WCDMA: B1/2/4/5/8 GSM/EDGE: B2/3/5/8
GNSS support	GPS/GLONASS/BDS/Galileo/QZSS (optional)
Carrier Certification	-
Compulsory Authentication	Europe: CE United States: FCC Brazil: Anatel Australia/New Zealand: RCM South Africa: ICASA
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.x12.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)	1.9 mA (sleep), 23.4 mA (idle)

Interface	Quantity
(U)SIM	1
USB 2.0	1
Digital audio (PCM)	1
I2C	1
LED_WWAN#	1
W_DISABLE#	1
UART	1
PERST#	1

Applications

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

Part List

LTE Cat 4 EC25-EMGA-mini-PCle	x 1
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Compliance & Logistics



HSCODE	8517799000
USHSCODE	8517620090
UPC	
EUHSCODE	8517180000
COO	CHINA

FCC Requirement

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

15.21

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy.

If not installed and used in accordance with the instructions, it may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Resource Links

- <https://www.seeedstudio.com/LTE-Cat-4-EC25-AUXGR-mini-PCIE-p-5885.html>

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