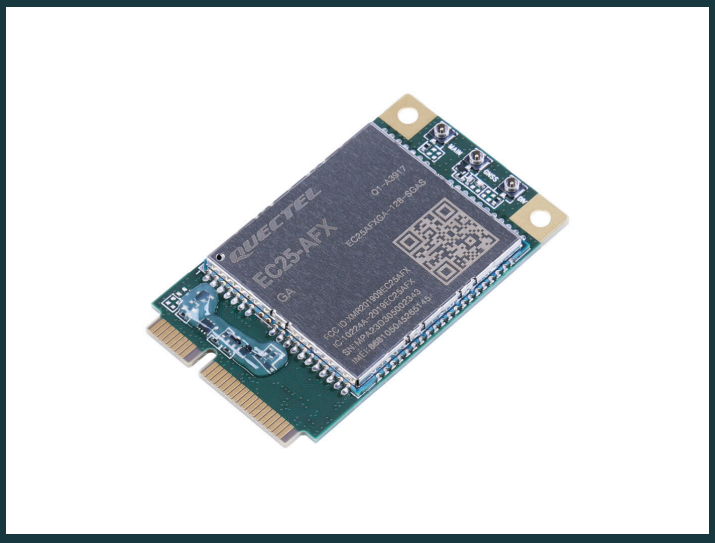
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INDUSTRIAL PRODUCT DATASHEET

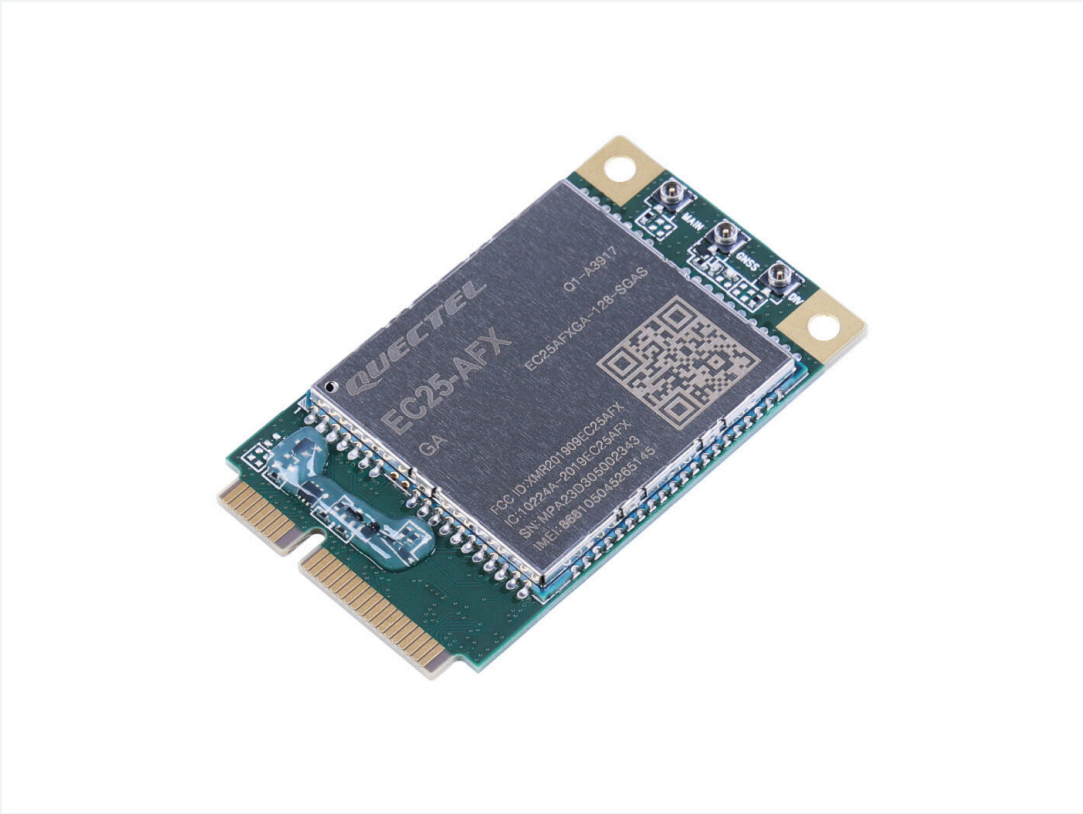
LTE Cat 4 EC25-AFXGA-mini-PCIe - 2G/3G/4G communication, built-in multiple GNSS, North American operators

LTE Cat 4 EC25-AFXGA-mini-PCIe module with 2G/3G/4G, built-in multi-GNSS, and low power consumption for North American IoT applications.

SKU	UPDATED	PRICE
113991134	2026-09-07 10:36:55	$51.90(Excl. VAT)



Overview

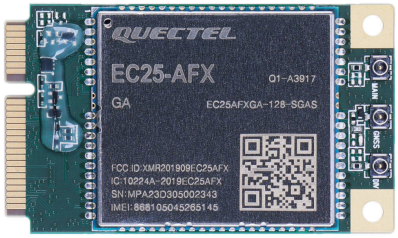


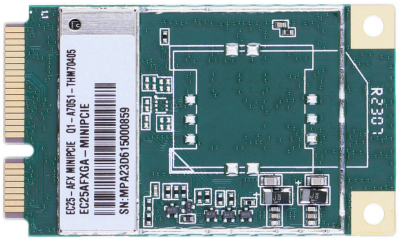
The LTE Cat 4 EC25-AFXGA-mini-PCIe module provides plug-and-play 2G/3G/4G communication via standard mini PCIe and supports North American operators. It features built-in multi-GNSS (GPS/GLONASS/BDS/Galileo/QZSS) and low power consumption for applications such as industrial routers, smart home, industrial automation, green energy, smart security, mobile gateways, personal tracking, and environmental monitoring.

Key Features

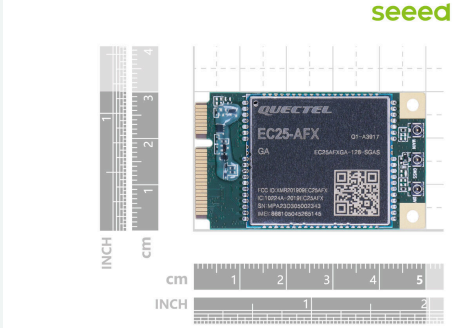
- **Plug-and-play LTE Cat 4 wireless communication module:** Support 2G/3G/4G communication, mounted with standard mini PCIe, ready to use
- **Broad network Compatibility and Applicability:** Supports various mobile communication network technologies, including LTE-FDD, WCDMA
- **Built-in multiple GNSS:** 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 North American operators**

Product Gallery









Specification

Specification	Value
Cellular technology	LTE Cat 4
Region/Carrier	North America
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: B2/4/5/12/13/14/66/71, LTE-TDD: -, WCDMA: B2/4/5, GSM/EDGE: -
GNSS support	GPS/GLONASS/BDS/Galileo/QZSS (optional)
Carrier Certification	US: Verizon/AT&T/U.S. Cellular; Canada: Telus
Compulsory Authentication	Global: GCF, North America: PTCRB, US: FCC, Canada: IC,
Other Certification	RoHS/WHQL
Data rates	LTE-FDD (Mbps): 150 Mbps (downlink) / 50 Mbps (uplink), DC-HSPA+: 42 Mbps (downlink) / 5.76 Mbps (uplink), WCDMA: 384 kbps (downlink/uplink), EDGE: -, GPRS: -
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)	1.67 mA (sleep), 22 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**

Compliance & Logistics

HSCODE	8517799000
USHSCODE	8517620090
UPC	
EUHSCODE	8517180000
COO	CHINA

Resource Links

- https://www.seeedstudio.com/LTE-Cat-4-EC25-AFXGA-mini-PCIe-p-5668.html

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