

INDUSTRIAL PRODUCT DATASHEET

Raspberry Pi 4G LTE CAT4 HAT with Quectel EG25-GL, Plug-and-Play, Global Bands

The Raspberry Pi 4G LTE CAT4 HAT with Quectel EG25-GL is a complete, plug-and-play global LTE solution with GPS, extensive protocol support, and USB-C PD power for IoT, streaming, and remote monitoring.

SKU

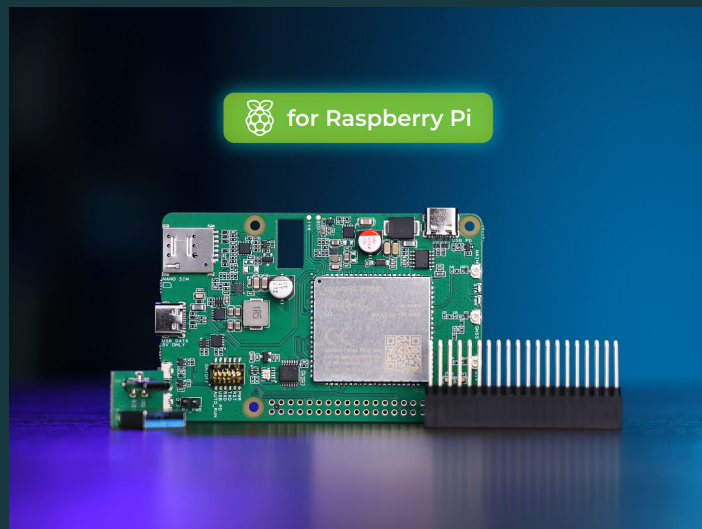
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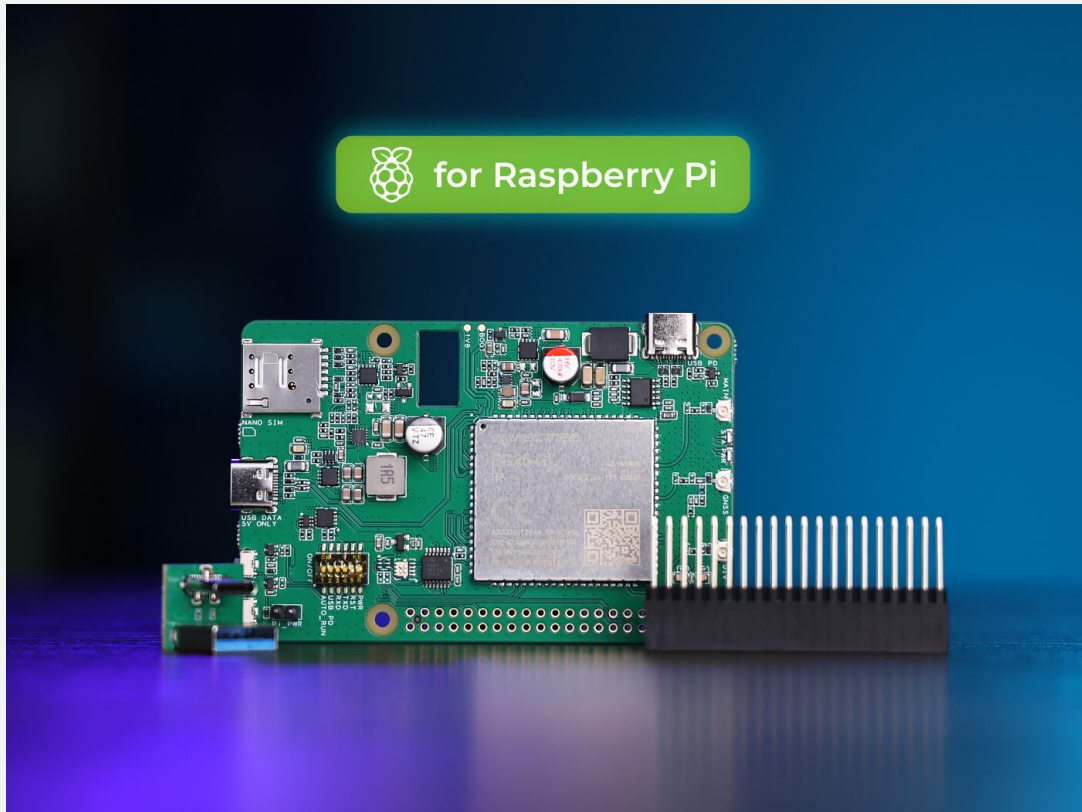
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PRICE

\$69.90(Excl. VAT)



Overview

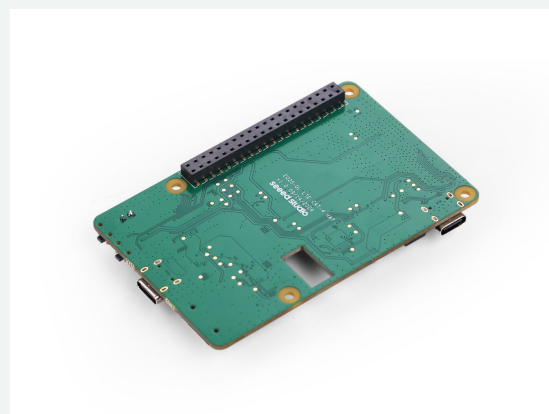
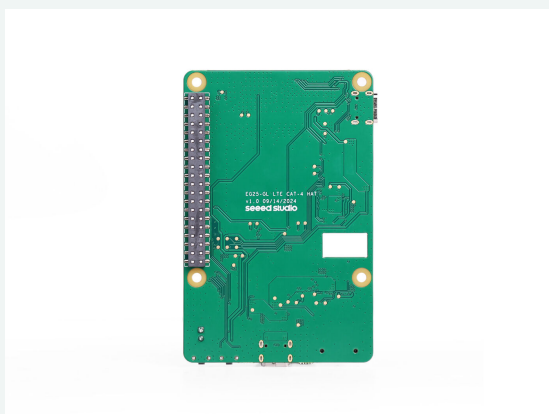
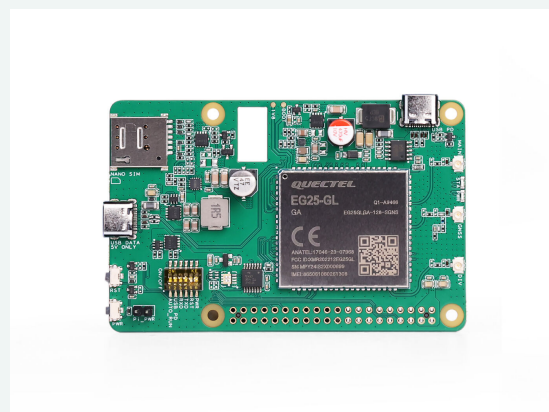


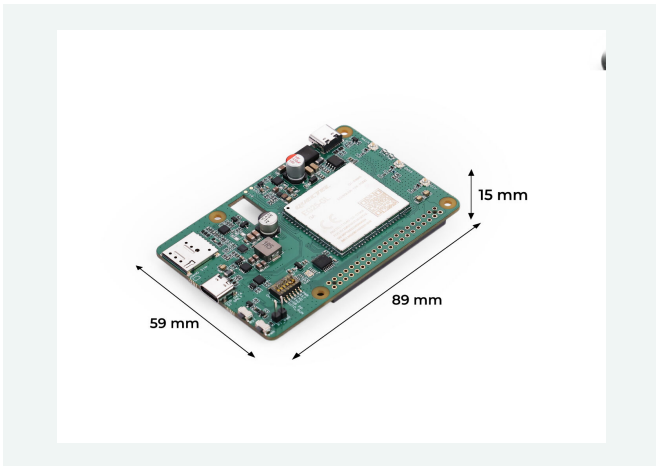
The Raspberry Pi 4G LTE CAT4 HAT with Quectel EG25-GL features global frequency support and high-speed LTE CAT4 delivering 150Mbps(DL)/50Mbps(UL) speeds, along with precise GPS/GLONASS/BDS/Galileo/QZSS positioning. It includes a dedicated USB-C PD power supply up to 27W, extensive protocol support, and flexible control via UART, PWR, RST pins, making it ideal for IoT gateway and remote data monitoring applications.

Key Features

- **Complete Kit:** Includes 2x LTE antennas and all essential mounting accessories, requiring no additional purchases
- **Global Frequency Support:** Supports worldwide frequency bands without regional limitations
- **Plug-and-Play:** Seamlessly work with Raspberry Pi, no extra drivers needed
- **High-Speed LTE CAT4:** Quectel EG25 module delivers 150Mbps(DL)/50Mbps(UL) speeds
- **Extensive Protocol Support:** Dial-up, SMS, TCP, UDP, PPP, FTP, HTTP, and more
- **Precise Positioning:** Built-in GPS/GLONASS/BDS/Galileo/QZSS for accurate location tracking
- **USB 2.0 High-Speed Interface:** Facilitates rapid 4G communication with Raspberry Pi or PC via USB
- **Dedicated Power Supply:** Additional USB-C power interface that supports PD protocol can provide up to 27W of power separately for the 4G hat and Raspberry Pi, offering higher load capacity.
- **AT Command Set:** Supports Quectel Enhanced AT commands for control and configuration of the 4G module
- **Flexible Control:** On-board UART, PWR, RST pins manageable via DIP Switch

Product Gallery

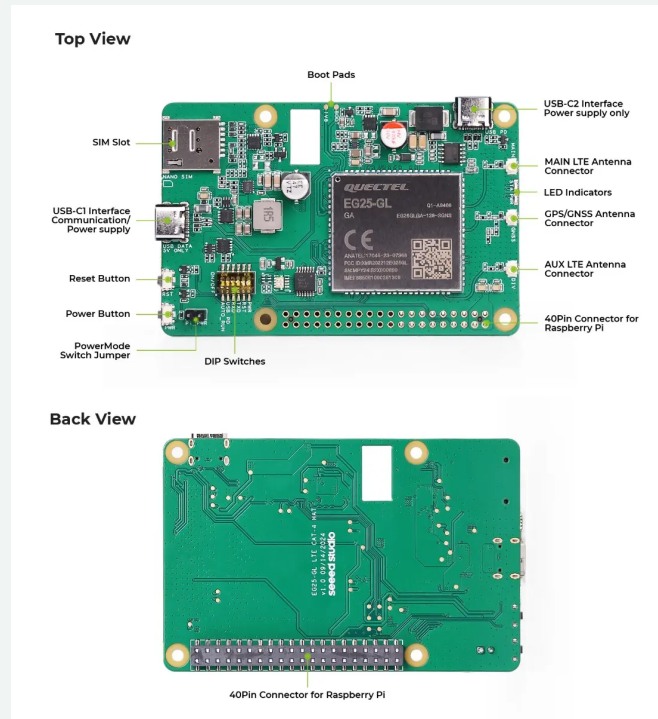




Specification

Attribute	Details
Region/Operator	Global
LTE-FDD	B1/2/3/4/5/7/8/12/13/18/19/20/25/26/28/66
LTE-TDD	B34/38/39/40/41
WCDMA	B1/2/4/5/6/8/19
TD-SCDMA	Not supported
GSM/EDGE	B2/3/5/8
GNSS	GPS/GLONASS/BDS/Galileo/QZSS
Enhanced Features	DTMF , DFOTA, QMI/RmNet,QuecOpen®, QuecLocator®, QuecFile®, (U)SIM Card Detection
Max. Data Rates	LTE-FDD (Mbps): 150 (DL)/50 (UL) LTE-TDD (Mbps): 130 (DL)/30 (UL) DC-HSPA+ (Mbps): 42 (DL)/5.76 (UL) WCDMA (kbps): 384 (DL)/384 (UL) EDGE (kbps): 296 (DL)/236.8 (UL) GPRS (kbps): 107 (DL)/85.6 (UL)
Protocols Supported	TCP, UDP, PPP, FTP, HTTP, NTP, PING, QMI, NITZ, SMTP, MQTT, CMUX, HTTPS, FTPS, SMTPS, SSL, MMS, FILE
Supply Voltage Range	3.3–4.3 V, typical 3.8 V
Power supply	5V via USB-C1; 5-15V DC power via USB-C2, with USB Power Delivery support
Dimensions	59mm x 89mm x 15mm

Hardware Overview



Applications

- Remote Data Monitoring
- IoT Gateway
- LTE Router/Adapter
- Video/Music Streaming

Part List

EG25-GL LTE Cat4 HAT	X1
USB Type-A to Type-C Cable	X1
USB Type-A to Type-C Adapter	X1
2*20PIN DIP Black Female Header	X1
External Antenna	X2
IPEX Adapter Cable	X2
Screws Pack	X1

Compliance & Logistics

HSCODE	8473309000
USHSCODE	8473309100
UPC	
EUHSCODE	8471707000
COO	CHINA

Resource Links

- <https://www.seeedstudio.com/LTE-CAT-4-EG25-GL-HAT-for-Raspberry-Pi-p-6325.html>
- [Quectel_EG25-GL_AT_Commands_Manual_V2.0.pdf](#)
- [Quectel_EG25-GL_QCFG_AT_Commands_Manual_V1.1.pdf](#)
- [Quectel_EG25-GL_LTE_Standard_Specification_V1.1.pdf](#)
- [LTE EG25-G | Quectel](#)

Seeed Technology Co.,Ltd.
9F, Building G3, International E City,
Zhongshanyuan Road, Nanshan, Shenzhen, China

Tel: +86 0755-80695676
Web: www.seeed.cc
Shop: www.seeedstudio.com