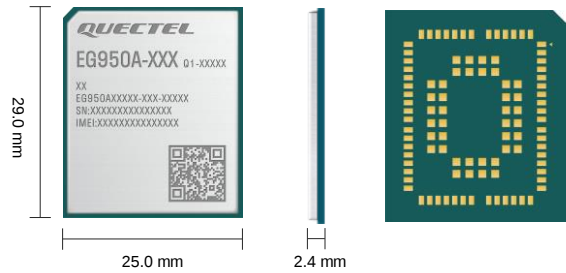




Quectel EG950A-ENL

IoT/ M2M-optimized
LTE450&410 Cat 4 Module



Quectel EG950A-ENL is a LTE450&410 Cat 4 module optimized specially for M2M and IoT applications. Adopting the 3GPP Rel-9 LTE technology, it delivers maximum data rates up to 150 Mbps downlink and 50 Mbps uplink. EG950A-ENL is compatible with Quectel multi-mode LTE Standard EG91 series、EG95 series、EG912N-EN、EG950A-EL、EG950A series modules.

EG950A-ENL adopts the laser engraving process to ensure more good-looking appearance, strong metallic texture, better heat dissipation, durable label information, which makes it more suitable for automation requirements.

A rich set of network protocols, industry-standard interfaces, a variety of drivers and abundant functionalities (USB serial drivers for Windows 8.1/ 10/ 11, Linux, Android and other operating systems) extend the applicability of the module to a wide range of M2M applications, such as IPC, CPE and gateway.



Key Features

- ✓ LTE Cat 4 module optimized for M2M and IoT applications
- ✓ Worldwide LTE, UMTS/ HSPA+ coverage
- ✓ Support Firmware Upgrade Over-The-Air (DFOTA)
- ✓ MIMO technology meeting demands for data rate and link reliability in wireless communication systems
- ✓ Super cost-effective
- ✓ Support 450 MHz
- ✓ Support 410 MHz

 LTE Cat 4 Max. 150 Mbps (DL) Max. 50 Mbps (UL)	 Max. 21 Mbps (DL) Max. 5.76 Mbps (UL)	 LGA Package
 Embedded Abundant Protocols	 DFOTA	 USB 2.0 High Speed Interface
 USB Drivers	 Quectel Enhanced AT Commands	 450MHz
 410MHz		

Quectel EG950A-ENL

LTE Cat 4		EG950A-ENL
Region/ Operator		Europe/ APAC/ Australia/ New Zealand/ Latin America
Dimensions (mm)		29.0 × 25.0 × 2.4
Weight (g)		TBD
Temperature Range		
Operating Temperature Range		-35 °C to +75 °C
Extended Temperature Range		-40 °C to +85 °C
Frequency Bands		
LTE-FDD		B1/ 2/ 3/ 4/ 5/ 7/ 8/ 20/ 28/ 31/ 66/ 72/ 87
LTE-TDD		B38/ 40/ 41
WCDMA		B1/ 2/ 4/ 5/ 8
GNSS (Optional)		-
Certifications		
Regulatory		Europe: CE
Others		-
Data Rates		
LTE-FDD (Mbps)		150 (DL)/ 50 (UL)
LTE-TDD (Mbps)		-
DC-HSPA+ (Mbps)		21 (DL)/ 5.76 (UL)
WCDMA (kbps)		384 (DL)/ 384 (UL)
Interfaces		
(U)SIM		× 1
UART		× 2 (main, debug)
USB 2.0		× 1
Audio Digital (PCM)		× 1
NET_STATUS		× 1
ADC		× 2
SDIO (for SD Card)		× 1
RESET_N		× 1
PWRKEY		× 1
SPI		× 1
I2C		× 1
Antenna		× 2 (main, Rx-diversity)
Voice		
Speech Codec Modes		HR/ FR/ EFR/ AMR/ AMR-WB
Echo Algorithm		Echo Cancellation/ Noise Suppression
Voice		Digital Voice and VoLTE (Voice over LTE)
Enhanced Features		
DFOTA		●
Audio Playback/ Audio Recording		●
QuecFile®		●
(U)SIM Card Detection		●
Software Features		
Protocols		TCP/ UDP/ PPP/ NTP/ NITZ/ FTP/ HTTP/ PING/ CMUX/ HTTPS/ FTPS/ SSL/ FILE/ MQTT/ MMS/ SMTP/ SMTPS
Drivers	RIL	Android 4.x–13.x
	USB Serial	Windows 8.1/ 10/ 11 Linux 2.6–6.7
	USB RNDIS	Android 4.x–13.x Windows 8.1/10/ 11 Linux 2.6–6.7
	USB ECM	Linux 2.6–6.7
	GNSS (Optional)	Android 4.x–13.x
Electrical Features		
Supply Voltage Range		3.4–4.3 V, typ. 3.8 V 9.65 µA @ Power off
Power Consumption (Typical)		1.82 mA @ LTE sleep (PF = 128) 1.74 mA @ LTE sleep (PF = 256) 19.07 mA @ Idle

NOTE:

1. *: In progress.
2. ●: Supported.