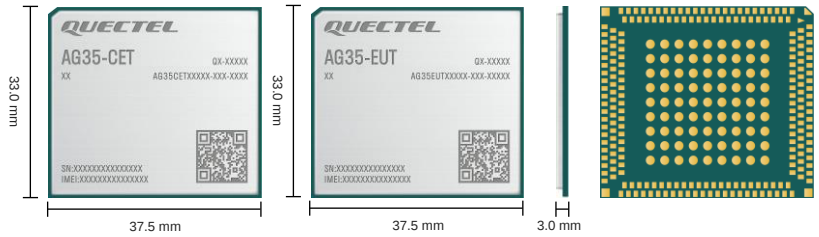


AG35-CET & AG35-EUT

IoT/M2M-optimized
LTE Cat 4 Module



AG35-CET and AG35-EUT are LTE Cat 4 industrial-grade wireless communication modules optimized specially for M2M and IoT applications. Adopting the 3GPP Rel-9 LTE technology, the modules deliver data rates up to 150 Mbps downlink and 50 Mbps uplink. The AG35-CET and AG35-EUT modules are consistent with the Quectel automotive grade LTE module AG35 series in size and production process, which allows for flexible migration between them in design and manufacturing.

Adopting laser engraving technique, AG35-CET and AG35-EUT feature a more vibrant appearance, strong metallic texture, better thermal dissipation capability, and durable label information, which makes them ideally suitable for large-scale manufacturing.

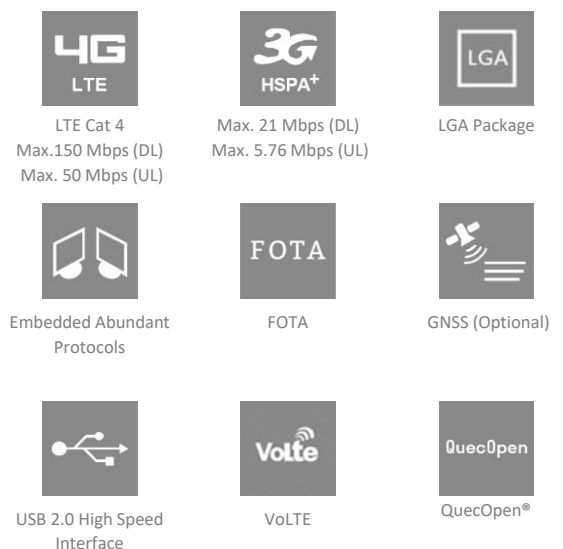
AG35-CET and AG35-EUT provide a rich set of Internet protocols, industry-standard interfaces, and a variety of drivers and software features, greatly expanding the applicability of the modules to a wide range of M2M and IoT applications.

AG35-CET and AG35-EUT are industrial-grade modules, of which the defect rates, quality, and reliability in automotive grade application scenarios are not guaranteed. If you have higher requirements for use, it is recommended to choose automotive grade products. Quectel shall not be liable for any product-related liability beyond the scope of applications stated in the specification.



Key Features

- ✓ LTE Cat 4 modules optimized for M2M and IoT applications
- ✓ Worldwide LTE, UMTS/DC-HSPA+, and GSM/GPRS/EDGE coverage
- ✓ Abundant interfaces
- ✓ VoLTE
- ✓ FOTA
- ✓ Super-high cost-effectiveness



Quectel AG35-CET & AG35-EUT

LTE Cat 4	AG35-CET	AG35-EUT
Region/Operator	China	Europe
Dimensions (mm)	33.0 × 37.5 × 3.0	33.0 × 37.5 × 3.0
Temperature Range		
Operating Temperature	-35 °C to +75 °C	-35 °C to +75 °C
Extended Temperature	-40 °C to +85 °C	-40 °C to +85 °C
eCall Operating Temperature	-	-40 °C to +95 °C
Frequency Bands		
LTE-FDD	B1/3/5/8	B1/3/5/7/8/20/28
LTE-TDD	B34/38/39/40/41	B38/40
WCDMA	B1/5/8	B1/5/8
GSM/EDGE	900/1800 MHz	900/1800 MHz
Certifications		
Regulatory	China: SRRC/NAL/CCC	Europe: CE
Others	RoHS	RoHS
Data Transmission (Peak Rate)		
LTE-FDD (Mbps)	150 (DL)/50 (UL)	150 (DL)/50 (UL)
LTE-TDD (Mbps)	130 (DL)/30 (UL)	130 (DL)/30 (UL)
HSPA (Mbps)	21 (DL)/5.76 (UL)	21 (DL)/5.76 (UL)
WCDMA (kbps)	384 (DL)/384 (UL)	384 (DL)/384 (UL)
EDGE (kbps)	236 (DL)/236 (UL)	236 (DL)/236 (UL)
GPRS (kbps)	85.5 (DL)/85.6 (UL)	85.5 (DL)/85.6 (UL)
Interfaces		
(U)SIM	× 2	× 2
UART	× 4 (Max.)	× 4 (Max.)
USB 2.0	× 1	× 1
Digital Audio (PCM)	× 1	× 1
ADC	× 3	× 3
SDIO	× 2	× 2
RESET_N	Active Low	Active Low
PWRKEY	Power on/off the module	Power on/off the module
GPIO	× 9	× 9
RGMII/RMII	× 1	× 1
Analog Audio	× 1	× 1
SPI	× 2 (supports multiplexing of 1 I2S interface)	× 2 (supports multiplexing of 1 I2S interface)
I2C	× 2	× 2
Antennas	× 3, Main/Diversity/GNSS (optional)	× 3, Main/Diversity/GNSS (optional)
Voice		
Speech Codec Modes	HR/FR/EFR/AMR/AMR-WB	HR/FR/EFR/AMR/AMR-WB
Echo Arithmetic	Echo Cancellation/Noise Suppression	Echo Cancellation/Noise Suppression
VoLTE	Digital Audio and VoLTE (Voice over LTE) (optional)	Digital Audio and VoLTE (Voice over LTE) (optional)
SMS		
Point-to-point MO/MT	●	●
SMS Cell Broadcast	●	●
Text and PDU Mode	●	●

NOTE:

●: Supported.

Quectel AG35-CET & AG35-EUT

LTE Cat 4	AG35-CET	AG35-EUT
Enhanced Features		
eCall	-	●
NG-eCall*	-	●
QuecOpen® (Open Linux)	●	●
TrustZone	●	●
Secure Boot	●	●
GNSS	Optional	Optional
Software Features		
Protocols	TCP/UDP/PPP/NTP/NITZ/FTP/HTTP/PING/CMUX/HTTPS/FTPS/SSL/FILE/MQTT/MMS/SMTP/SMTPS	TCP/UDP/PPP/NTP/NITZ/FTP/HTTP/PING/CMUX/HTTPS/FTPS/SSL/FILE/MQTT/MMS/SMTP/SMTPS
Drivers	USB Serial	Windows 8.1/10/11 Linux 2.6–6.7
	USB ECM	Linux 2.6–6.7
	USB RNDIS	Windows 8.1/10/11 Linux 2.6–6.7
	USB NCM	Linux 2.6–6.7
Electrical Characteristics		
Supply Voltage	3.5–4.3 V, typ. 3.8 V	3.5–4.3 V, typ. 3.8 V
Power Consumption (typ.)	160 µA @ Power off	160 µA @ Power off
	1.94 mA @ Sleep	1.75 mA @ Sleep
	40 mA @ Idle	47 mA @ Idle

- NOTE:
- : Supported.
 - * : Under development.

