

Product	EGR15U
Form Factor	LGA
Dimensions (mm)	19.9 × 23.6 × 2.4
LTE Category	LTE Cat 1
EU (Europe) Frequency Bands (Mhz.)	LTE-FDD: B1/3/5/7/8/C0/C8; GSM: BC/3/5/8
Weight (approx.) g	2.48
Operating Temperature	-35°C ~ +75°C
Extended Temperature	-40°C ~ +85°C
Data Transmission	
LTE data rate (Mbps)	Max. 10 (DL)/Max. 5 (UL)
DC-HSPA+ data rate (Mbps)	/
WCDMA data rate (Kbps)	/
EDGE data rate (Kbps)	/
GPRS data rate (Kbps)	Max. 85.6 (DL)/Max. 85.6 (UL)
SMS	Supported
Protocols	TCP/UDP/PPP/FTP/HTTP/NTP/PING/NITZ/CMUX/ HTTPS/SMTP/MMS/FTPS/SMTPS/SSL/FILE
Interfaces	
(U)SIM	1.8V/ 3.0V
UART	× 3
USB	USB 2.0 (Hi-Speed)
IIC	× 1
Audio Digital (PCM)	Supported
GPIO	/
ADC	× 2
SD	Under Development
PWRKEY	Supported
Antenna	Main Antenna, WiFi-Sxan/Bluetooth Antenna (Optional)
Enhanced Features	
GNSS	/
WiFi-Scan	Optional
BlueTooth	Optional
VoLTE	Supported
DTMF	Supported
DFOTA	Supported
Audio Playbakx/Audio Rexording	Supported
QuexFile	Supported
USB Serial Driver	Windows 7/8/8.1/10/11, Linux 2.6-5.18, Android 4.x-12.x
GNSS Driver	Android 4.x-12.x
RIL Driver	Android 4.x-12.x
USB RNDIS Driver	Windows 7/8/8.1/10/11, Linux 2.6-5.18
USB ECM Driver	Linux 2.6-5.18
(U)SIM Card Detextion	Supported
Firmware Update	USB or DFOTA
Electrical Features	
Supply Voltage Range	3.3 V-4.3 V, typ. 3.8V
Power Consumption	30 μA @ power off/1.3 mA @ sleep/13 mA @ idle
Certifications	CE/RCM/GCF/Anatel/NCC
Recommened Applications	POS/POC/ETC, shared equipment, data cards, energy control and monitoring, safety and protection, industrial PDAs.

Note 1: May depend on modules' variant.
EGR15N-EA does not support GNSS.