

Quectel EC25 Series Mini PCIe

LTE Cat 4	EC25-E Mini PCIe
Region/Operator	EMEA/ South Korea/ Thailand/ India
Dimensions (mm)	30.0 × 51.0 × 4.9
Temperature Range	
Operating Temperature	-35°C to +75°C
Extended Temperature	-40°C to +80°C
Frequency Bands	
LTE-FDD	B1/B3/B5/B7/B8/B20
LTE-TDD	B38/B40/B41
WCDMA	B1/B5/B8
GSM/EDGE	B3/B8
GNSS	GPS/GLONASS/BeiDou (Compass)/Galileo/QZSS (Optional)
Certifications	
Carrier	Global: Vodafone Europe: Deutsche Telekom/Telefónica South Korea: SKT/KT*/LGU+*
Regulatory	Global: GCF Europe: CE South Korea: KC Taiwan (China): NCC Australia/New Zealand: RCM Thailand: NBTC Russia: FAC South Africa: ICASA
Others	RoHS/WHQL
Data Transmission	
LTE-FDD Data Rates (Mbps)	150 (DL)/ 50 (UL)
LTE-TDD Data Rates (Mbps)	130 (DL)/ 30 (UL)
DC-HSPA+ Data Rates (Mbps)	42 (DL)/ 5.76 (UL)
WCDMA Data Rates (kbps)	384 (DL)/ 384 (UL)
EDGE Data Rates (kbps)	296 (DL)/ 236.8 (UL)
GPRS Data Rates (kbps)	107(DL)/ 85.6 (UL)
Interfaces	
(U)SIM	x 1
USB 2.0	x 1
Audio Digital (PCM)	x 1
I2C	x 1
LED_WWAN#	x 1
W_DISABLE#	x 1
UART	x 1
PERST#	x 1
Voice	
Speech Codec Modes	HR/FR/EFR/AMR/AMR-WB
Echo Arithmetic	Echo Cancellation/Noise Suppression
VoLTE	Digital Audio and VoLTE (Voice over LTE)
Enhanced Features	
DTMF	●
DFOTA	●
QMI/ RmNet	●
Audio Playback*/Audio Recording*	Optional
QuecLocator®	●
QuecFile®	●
(U)SIM Card Detection	●
Drivers	
USB Serial Driver	Windows 7/8/8.1/10, Linux 2.6–5.4, Android 4.x–9.x
GNSS Driver	Android 4.x–9.x
RIL Driver	Android 4.x–10.x
NDIS	Windows 7/ 8/ 8.1/ 10
MBIM	Windows 8/8.1/10, Linux 3.18–5.4
GobiNet Driver	Linux 2.6–5.4
QMI_WWAN Driver	Linux 3.4–5.4
Electrical Features	
Supply Voltage Range	3.0–3.6 V, 3.3 V Typ.
Power Consumption	3.9 mA @ Sleep, Typ. 30 mA @ Idle

Notes:
1. * means under development.
2. ● means supported.