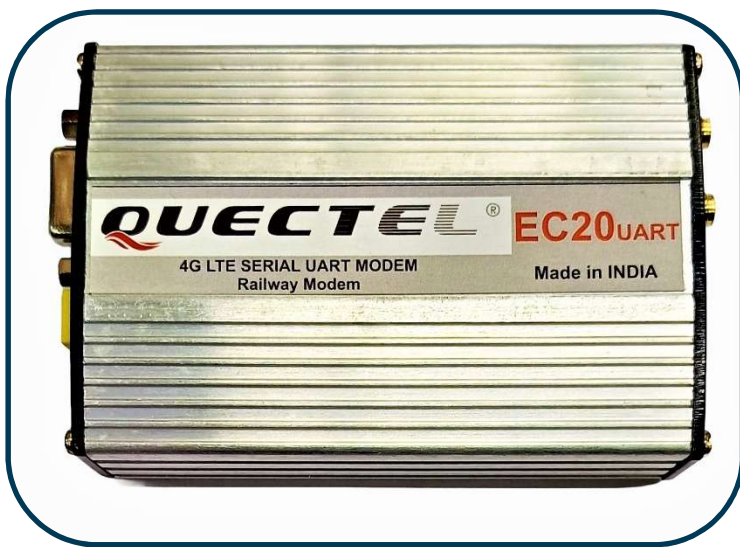


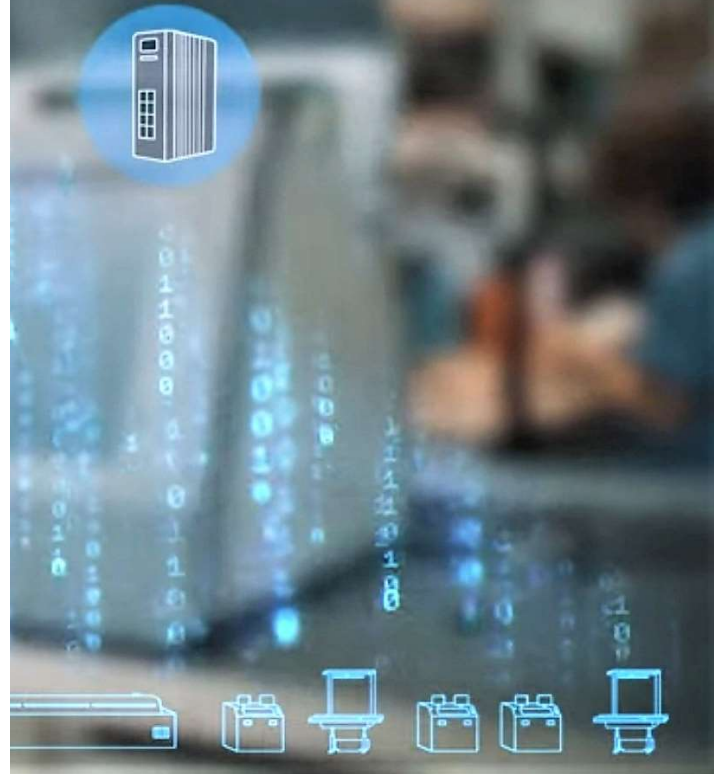
# Quectel EC20 4G LTE UART Modem



## APPLICATION:

SMS and Data Applications, works through AT commands, CPE, router, data card, rugged tablet, automobile, security and industry PDA, and Railway SMS.

Electronics



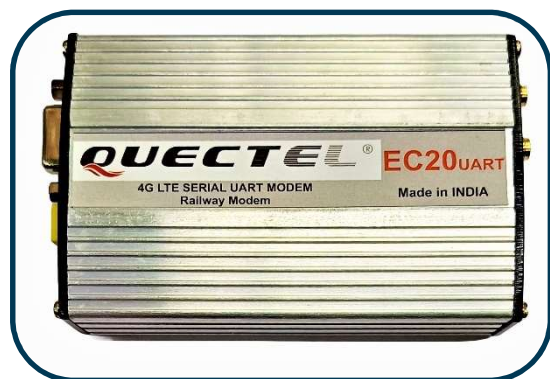
**GRAYLOGIX**

Embedded Software & Hardware Solutions  
[www.graylogix.in](http://www.graylogix.in)

# EC20 4G LTE UART Serial Modem from Graylogix

Quectel EC20 4G LTE UART Serial modem can deliver 100Mbps downlink and 50Mbps uplink data rate, It is backward-compatible with existing EDGE and GSM/GPRS networks, ensuring that it can be connected even in remote areas devoid of 4G or 3G coverage. It works on AT Commands.

EC20 supports multiple-input multiple-output (MIMO) technology, a cutting edge antenna technology capable of transmitting multiple data streams on multiple transmitters to multiple receivers.

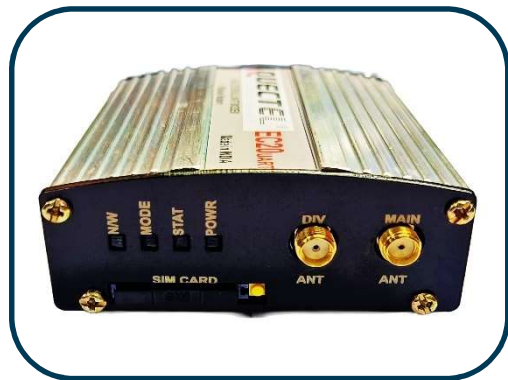


## Features:

- Quectel EC20 4G LTE UART Serial Modem is an External Powered Modem with dual Antenna for stronger signal strength.
- Worldwide LTE, UMTS/HSPA+ and GSM/GPRS/EDGE coverage.
- Industrial casing with minimized form factor which is ideal for small end products with tight space and extended operating temperature range.
- Works on Industry Standard AT Commands.
- Easy to interface Via Serial to USB with any COM port after the installation of device drivers provided along with the modem.
- 4 LED Indicators on the modem depicting the status of the Network, Network Mode, Status and Modem Power correspondingly.
- The device comes with 2 types of Antenna, The Main antenna and the Axillary antenna, both to be connected to the SMA connectors mounted on the side of the modem.
- The device is power through 12V 2A Power supply.
- Sim slot tray provided at the side of the device with easy insertion.

## Specifications:

- LTE FDD: B1/B3
- LTE TDD: B38/B39/B40/B41
- TDSCDMA: B34/B39
- WCDMA: B1
- CDMA 1x/EVDO: BC0
- GSM: 900/1800MHz
- LTE FDD: Max 100Mbps (DL)/Max 50Mbps (UL)
- DC-HSPA+: Max 42Mbps (DL)/Max 5.76Mbps (UL)
- UMTS: Max 384Kbps (DL)/Max 384Kbps (UL)
- TD-SCDMA: Max 4.2Mbps (DL)/Max 2.2Mbps (UL)
- EVDO: Max 14.7Mbps (DL)/Max 5.4Mbps (UL)
- EDGE: Max 236.8Kbps (DL)/Max 236.8Kbps (UL)
- GPRS: Max 85.6Kbps (DL)/Max 85.6Kbps (UL)
- Speech Codec Modes: HR/FR/EFR/AMR/AMR-WB
- Echo Arithmetic: Echo Cancellation/Noise Reduction
- USB 2.0 with High Speed up to 480Mbps
- USB Driver Available for:
  - Windows XP, Vista, 7/8/8.1/10, CE 5.0/6.0/7.0\*
  - Linux 2.6/3.x/4.1,
  - Android 4.x/5.x/6.0



## Package Includes:

- EC20 4G LTE UART modem
- Main Antenna, Auxiliary Antenna (Diversified Antenna)
- Serial to USB Converter.
- Power Supply Adapter 12V 2A.

**Designed, Developed and Manufactured by GRAYLOGIX Bangalore.**

**#4, Toms Plaza, Dinnur Main Road, R.T. Nagar Bangalore-560032.**

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