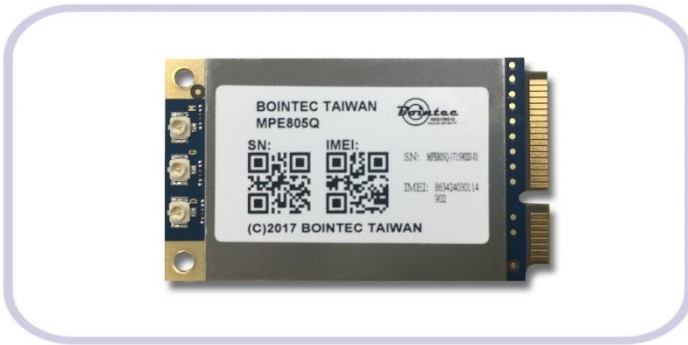




MPE805Q

TDD-LTE/FDD-LTE/TD-SCDMA/UMTS/EDGE/GPRS/GSM/GPS Cellular Module



Bointec presents a reliable wireless module MPE805Q which is based on Qualcomm MDM9225 multiplemode LTE platform.

MPE805Q is a complete multi-band TDD-LTE/FDD-LTE/WCDMA/TD-SCDMA/GSM mini-PCIe module, It has strong extension capability with rich interfaces including UART, USB2.0, SPI, I2C, PCM, etc.

MPE805Q provides SMS, MMS, Phonebook functions as well as high speed access. And also reserves a group of PCM interface for audio function. It can be designed in many kinds of applications. Such as Data card, Video monitor, Tablet, Electric-book, CPE, Vehicle equipment, etc.

General features

- FDD-LTE B1/B2/B3/B5/B7/B8/B20
- TDD-LTE B38/B39/B40/B41
- HSPA/UMTS 900/850/1800/1900/2100MHz
- GSM/GPRS/EDGE 850/900/1800/1900MHz
- Dual-and TD-SCDMA B34/B39
- Control Via AT Commands
- Supply voltage range: 3.3V~ 4.2V
- Operation temperature: -40°C to +85°C
- Dimension: 51.0 X 30.0 X 4.7mm
- Weight: 5.8g
- GNSS: gpsOne Gen 8B;standalone;assisted,XTRA;

Interfaces

- USB2.0
- UART
- SIM card
- I2C
- GPIO
- ADC
- PCM

Specification for Data transfer

- LTE
 - Uplink up to 50Mbps,
 - Downlink up to 150Mbps
- TD-HSDPA/HSUPA
 - Uplink up to 2.2 Mbps,
 - Downlink up to 2.8 Mbps
- TD-SCDMA
 - Uplink up to 128Kbps,
 - Downlink up to 384Kbps
- HSPA+
 - Uplink up to 5.76 Mbps,
 - Downlink up to 42 Mbps
- UMTS
 - Uplink/Downlink up to 384Kbps
- EDGE Class:
 - Max. 236.8Kbps(DL),Max. 236.8Kbps(UL)
- GPRS
 - Max. 85.6Kbps(DL), Max. 85.6Kbps(UL)
- CSD
 - GSM data rate 14.4Kbps
 - WCDMA data rate 57.6Kbps
 - WCDMA 64kbps CSD for Video call

Other features

- USB Driver for Microsoft Windows

2000/XP/Vista/7/8

- USB Driver for Windows CE/Mobile
- USB Driver for Linux /Android
- RIL supporting for Android/ Windows

CE/Mobile

- Automatic installation for windows
- Linux API SDK
- Firmware update via USB
- TCP/IP/IPV4/V6 Multi-PDP,MT PDP
- FTP/FTPS/HTTP/HTTPS/SMTP/POP3/DNS/ MMS
- DTMF
- Gobi SDK to the Win7/Win8/Linux
- Source code of the PC manager of the device for reference

Certifications

- ROHS
- CTA
- CE



We are Your Partner more than Business



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