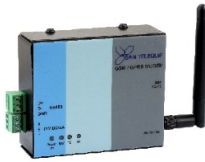


Document name: Specification sheet for 4G Modem, GS81 USB



- ✓ USSD, 0710 MUX protocol embedded TCP/UDP protocol
- ✓ PPP Stack, FTP/HTTP, Non Transparent mode
- ✓ MMS, SMS support
- ✓ Control via AT commands (GSM 07.07 and 07.05)
- ✓ GPRS multi-slot Class 12/10/8
- ✓ Complaint to GSM phase 2/2+
- ✓ Coding Scheme: CS1 to CS4
- ✓ CSD up to 14.4 kbps
- ✓ Plug & Play design with easy to use interface
- ✓ Output power < 35 dBm
- ✓ Sensitivity < -110 dBm
- ✓ Isolated USB port

Specifications

Band

GS81-USB (For India only)
LTE FDD B1/B3/B5/B8
LTE TDD B38/B39/B40/B41
WCDMA: B1/B8
TD-SCDMA: B34/B39
CDMA: BC0
GSM B3/B8

Data rate

CSD : Downlink/Uplink up to 14.4kbps
4G Modem : LTE FDD - Max. 150Mbps (DL) & Max. 50Mbps (UL)
LTE TDD- Max 130Mbps (DL) & Max 35 Mbps (UL)
DC-HSDPA – Max 42 Mbps (DL)
HSUPA- Max 5.76 Mbps (DL)
WCDMA-Max 384 Kbps (DL)/Max 384 Kbps (DL)
TD-SCDMA: Max 4.2 Mbps (DL)/Max 2.2 Mbps (UL)
EVDO: Max 3.1 Mbps (DL)/Max 1.8 Mbps (UL)
1x Advanced: Max 307.2 Kbps (DL/UL)
EDGE: Max 296 Kbps (DL)/Max 236.8 Kbps (UL)
GPRS: Max 107Kbps (DL)/Max 85.6 Kbps (UL)

Interface

Interface : USB (Mini USB connector)
USB Speed : USB 2.0 Hi-Speed (480Mbits / sec) and Full speed 12Mbits / sec compatible

Protection

USB port : 25KV ESD protection
: 5 KV Isolation

USB Serial Drivers

Windows XP, Windows Vista, Windows 7/8/8.1/10, Linux 2.6/3.x/4.1

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Power Supply

24V DC (Range : 9 to 40V DC)
Screw type 3 pin connector with 3.81mm pitch
Reverse Polarity, Over Voltage and Over Current Protection

Power consumption
0.8W @24V DC during no communication when network registered
1.6W @24V DC during Data/Voice mode

Environmental Conditions

Operating Temperature : -20° to 70°C
Storage Temperature : -40° to 85°C
Relative Humidity : upto 95% Rh non condensing

Mechanical

Enclosure : Metallic Enclosure with DIN rail mounting
Dimension : 94 x 80 x 34 mm (Only enclosure)

LED Display

Network status, Power ON and USB

GSM Modem Accessories

Antenna : 50Ω SMA Female Connector
: High Gain Antenna is available as option
SIM & Holder : Push Type. UIM/SIM 1.8V/3V
: Customer to provide suitable SIM Card
USB : Mini USB cable

Environmental Tests

The product is designed to meet various EMI/EMC standards

Ordering Information: GS81-USB

GS81 : 4G Modem
USB : USB Interface

Note:

4G model is for Indian frequency bands only.
For usage of 4G model outside India, please contact us

Adapter not in scope of supply.
Input 230V AC. Output 24V DC, 1A