



PRODUCT INFORMATION

4G/GPS AMERICAS HOT PLUG MODULE



Air Interface

- LTE / HSPA+ / CDMA / GSM

Transfer Rate

- LTE-FDD R9 Cat3 (DL 100 Mbps / UL 50 Mbps)
- DC-HSPA+ R8 (42 Mbps)
- HSDPA R5 (7.2 Mbps), HSUPA R6 (5.76 Mbps)
- CDMA (307 Kbps)
- EV-DO Rev0 (2457 Kbps), EV-DO RevA (3072 Kbps)
- UMTS (384 Kbps)
- EDGE (237 Kbps)
- GPRS (85.6 Kbps)

Frequency Bands

- LTE-FDD Band 2/4/5/13/17/25 (1900/AWS/850/700/700/1900 MHz)
- HSPA+/UMTS Band 1/2/4/5/8 (2100/1900/AWS/850/900 Mhz)
- CDMA/EV-DO Band BC0/BC1/BC10 (800/1900/1700 Mhz)
- GSM/GPRS/EDGE (850/900/1800/1900 MHz)
- GPS: L1 band with 1.57 GHz

Certifications

- FCC, PTCRB, NCC, AT&T, Verizon, Sprint (Modular)
- Verizon (Router)

Connectors

- 2x SMA connectors (female) to connect an external MIMO antenna
- 1x SMA connector (female) to connect an external GPS antenna

Suitable for

- Multichannel VPN Router 200
- Multichannel VPN Router 3X0
- Multichannel VPN Router 1610
- Multichannel VPN Router 26X0

The 4G/GPS Americas Module allows using all current mobile phone technologies with every Viprinet Multichannel VPN Router in the US and Canada. LTE is the newest mobile phone standard available worldwide – also called 4G. It allows higher bandwidths and higher ranges at the same time and forms the current state of the art regarding mobile phone services. Thus, it provides long-term feasibility.

Especially in mobile usage, this module ensures undisruptive mobile phone connections due to the additional support for the mobile phone standards UMTS and GSM. The transition between different mobile phone standards is carried out seamlessly, and at all times, the best available connection is used. The GPS function allows locating the router at all times by using the administration tool. For efficient vehicle fleet management, this geo-tracking is very useful.

Included with the 4G Americas Module are two high-quality knuckle-mount antennas and a GPS antenna as well as a small pedestal. Due to two SMA jacks on each module, connecting an external MIMO antenna to the module is possible. Thus, good mobile phone connections can be realized even under the most difficult reception conditions.

Please note: LTE uses different radio frequency bands depending on the country. This module supports LTE frequency bands common in North America only. When choosing an external antenna, please make sure that it supports the LTE as well as the UMTS frequency bands used.

ACCESSORIES

Antenna Solutions

- LTE/UMTS MIMO Dual Omni Panel Antenna
- LTE/UMTS Car Antenna
- LTE/UMTS Car Bumper Mount Antenna