

Ntrip Modem TP688

Industrial Modem for Ntrip Corrections

Overview

The Ntrip Modem TP688 is an industrial modem ideal for Ntrip corrections. It equips built-in industrial 4G wireless communication module, built-in 2600mAh battery, RS232 serial port, mounting handle, SIM card slot and high-speed data transmission module. It is a cost-effective industrial wireless modem.

The TP688 supports Ntrip protocol, and it can be used in Ntrip server mode and Ntrip client mode. The Ntrip function is configured by RS232 serial port and text message.

Key Features

Industrial design and IP67-rated protection

Industrial component ARM and modules

Serial data transfer and wide voltage input

Low power consumption

Long-lasting operation with built-in 2600mAh battery

Supports global 2G/3G/4G network

Supports DNS proxy

Supports NTRIP

Ease of configure, use and maintain



Technical Specifications

Performance

Input Voltage:	5V~36V DC
Operating Current:	125mA @ +12V DC
Standby Current:	90mA @ +12V DC
Power Consumption (typical):	1.5W
Battery:	2600 mAh
Charging time:	3.5 hours
Operating hours (typical):	18 hours

Physical

Dimension:	160x102x37mm (w/o connectors)
Weight:	650g
Operating Temperature:	-40°C ~ +85°C
Relative Humidity:	95% @ +40°C

Interfaces

Serial Port:	RS232 x1
Antenna Connector:	SMA Female x1
Power Connector:	2pin LEMO

Communication

Network:	
Chinese version:	2G: GSM/GPRS/EDGE/CDMA2000 1x 3G: UMTS/WCDMA/HSDPA/HSPA+/TD-SCDMA /CDMA2000 EVDO 4G: TDD-LTE/FDD-LTE
Eurasian version (Europe, Middle East, Africa, South Korea, Thailand):	2G: GSM/GPRS/EDGE 3G: UMTS/WCDMA/HSDPA/HSPA+ 4G: TDD-LTE/FDD-LTE
North American version:	3G: UMTS/WCDMA/HSDPA/HSPA+ 4G: FDD-LTE
Australian version (New Zealand, Australia, South America):	2G: GSM 3G: WCDMA 4G: FDD-LTE/TDD-LTE

Operating Frequency Band:

Chinese version:	TDD-LTE B38/B39/B40/B41 FDD-LTE B1/B3/B8 UMTS/HSDPA/HSPA+ B1/B8 TD-SCDMA B34/B39 CDMA2000 1x/EVDO BC0 GSM/GPRS/EDGE 900/1800 MHz
Eurasian version:	TDD-LTE B38/B40 FDD-LTE B1/B3/B7/B8/B20 UMTS/HSDPA/HSPA+ B1/B8 GSM/GPRS/EDGE 900/1800 MHz
North American version:	FDD-LTE B2/B4/B5/B17 UMTS/HSDPA/HSPA+ B2/B5
Australian version:	FDD-LTE B1/B2/B3/B4/B5/B7/B8/B28 TDD-LTE B40 WCDMA B1/B2/B5/B8 GSM 850/900/1800/1900

