USR-DR15X

LTE Cat 1 Modem

Product Description

The USR-DR15X series is an ultra-small Din-Rail DTU, including the USR-DR154 with RS485 interface and the USR-DR152 with 232 interface. This series of products features with high speed, low delay, small size, simple configuration, etc.

Wide voltage terminal power supply, RS232, RS485 two standard terminal interface, more convenient for customers to use, the applicability of stronger;The product comes with DIN-Rail buckle, easy to install.

Features

- Small size, easy to use

- Wide input voltage range:DC 5~16V

- LTE Cat 1,low latency,wide coverage

- Support TCP/UDP,HTTP protocol

- FTP Upgrade and FOTA self upgrade

- Industrial design, independent hardware watchdog

- SMS,NET,Serial AT command configuration

- Socket Distribution Protocol,multi-center

Product Parameters

Frequency Bands

■ USR-DR15X(Asia version)

LTE FDD：B1/B3/B5/B8/B38/B39/B40/B41

■ TX Power

FDD:B1/B3/B5/B8: 23dBm±2dB
TDD:B38/B39/B40/B41: 23dBm±2dB

■ Rx Sensitivity:

FDD:B1/B3/B5/B8：-98dBm
TDD:B38/B39/B40/B41:：-98.5dBm

■ Transmission Speed

LTE FDD：10MbpsDL/5Mbps UL
LTE TDD：7.5MbpsDL/1Mbps UL

■ Physical Interfaces

UART：RS485 (USR-DR154)/RS232(USR-DR152)
USIM: 3.0V/1.8V Nano SIM 4FF
RF: SMA
Indicators: POW，WORK，NET，LINKA
Reload：Button
Installation：Din-Rail Mounting and ear mounting

■ Software

TCP /UDP/IPV4/IPV6/HTTP/MQTT/DNS
FOTA/VoLTE/NTP/FTP
SMS:MO/MT Text and PDU modes
TCP/UDP/HTTPD/SMS transparent transmission
Socket Distribution Protocol
Base station geolocation

■ Hardware Characteristics

POWER: 5~16V
Dimensions：22mm ×24mm × 74mm
Operating temperature: -25℃~+75℃
Expansion temperature: -35℃~+85℃
Storage temperature: -40℃~+90℃
Relative Humidity: 5%~95%(non-condensing)

■ Serial

Cache：20 packets，maximum 4096 byte per packet
Baudrate：1200~230400bps
Parity：NONE/ODD/EVEN
Data：8
Stop：1/2

■ Certifications

CE/RoHS/CCC