Industrial IoT LoRa Converter SLC485

Feature

*Plug and Play
*Easy to set up
*Provides RS232/RS485 for flexible usage
*No pairing required
*Easy construction and maintenance
*Respond instantly
*With indoor/outdoor complete models
*Various indoor and outdoor antennas are available

Communication Technology： LoRa 862~932 MHz Transparent Mode or Modbus (Non-LoRa WAN Protocol）。
Transmission Mode： Multiple endpoints form a broadcast network based on frequency bands, and only one endpoint can send a signal at a time. Suitable for 1Master+n Slaves application.
Communication traffic: Each packet can carry up to 255 bytes of data.
Converter Interface ： RS232/485 。
The actual test communication distance: the height is 100cm, and the two ends are measured for 2 kilometers, and the transmission success rate is about 90%.

SLC485
Industrial IoT LoRa Converter

Specification

Industrial IoT IoRa Converter SLC485 Specifications

Main Chip
LoRa Transmission : Semtech SX1272
Soc : Cortex®-M0
Memory: Flash 128K

LoRa
Frequency: 862~932MHz
Frequency Accuracy: ± 10KHz
Modulation: LoRa
Transmit Power: 2~+20dBm
Data Rate: 0.244~18.2Kbps(LoRa)
High Sensitivity: down to -137dBm
Communication Distance: 2~5Km
Antenna Impedance: 50ohm

Serial Port
RS232/RS485:
-Half Duplex of RS232
 Baud Rate to 9600、19200、38400、57600、115200bps
-Half Duplex of RS485
 Baud Rate to 9600、19200、38400、57600、115200bps

Configurations and Management
Firmware: Com port support system firmware upgrade

Power Source
Supply Voltage: +5~24VDC Terminal Block
                   +5V Micro USB
                   (alternative)

Power Consumption
Standby: 5V,16.63mA
            12V,6.97mA
            24V,4.03mA
Transmission: 5V,17.35mA
                 12V,41.95mA
                 24V,21.73mA

Environment
Operating Temperature: 0℃~50℃

Mechanism
Dimensions: W*H*D: 27*89*68 (mm)
Weight: 82± 5g
Download Tool: https://www.maxlong.com.tw/product-detail/slc485/