

RS-232/422/485 To LoRa Interface Converter



- LR-201-S : RS-232/422/485 To LoRa
- CPU : 32 bits MCU ,40 MHz , 16KB SRAM, 128KB Flash ROM
- Support Modbus & Transparent
- **LoRa** : Semtech SX1272
 - Freq. : ISM band 862 ~ 936MHz
 - Receiver Sensitivity : -137 dBm
 - Transmit Output Power : 20 dBm
 - Sleep Current : 3uA (at power down state)
 - TX current < 140 mA@20 dbm , RX current < 10 mA
 - Security processor (128/192/256 bits AES)
 - Packet engine up to 256 bytes with CRC
 - Antenna : SMA Type , 2 dBi , changeable
 - Distance : Up To 5000 Meters in free space
 - Data Rate : 0.244 ~ 18.2K bps (LoRa) / 300 K bps (FSK)
 - Application mode : Star
- **Serial Port**
 - No.of Port : RS-232/422/485 * 1 port (auto Detect)
 - RS-232 : Rx , Tx , GND , RTS , CTS (DB9 female)
 - RS-422 : Tx+ , Tx- , Rx+ , Rx- (Surge Protect)
 - RS-485 : Data+ , Data- (Surge Protect)
 - Built –in RS-422/RS-485 Terminal Resistor
 - Speed : 9600 bps~115.2K bps
 - Parity : None , Odd , Even
 - Data Bit : 7 , 8 / Stop Bit : 1 , 2
- Setup Tool : Windows Utility
- Power : DC 9 ~ 24V / 150ma @ 9V , 60ma @ 24V
- Led Lamp : SYS (green) , Rx(red) , Tx(green)
- Environment: Operating Temperature: -10°C ~70°C
Storage Temperature: -20°C ~80°C
- Dimensions : 100 * 90 * 25 mm (W * D * H)
- Weight : 150 gm (not include power)

Remarks: This device can be set paring in one master to multiple slaves. It can transmit data by Transparent or Modbus protocol but it's better to use Modbus because of semi-duplex transmission. This device suitable to collect data from long range, wide area under small packet and loose data transmission requirement. We don't recommend it for real time control.