



999.00 EUR

incl. 19% VAT, plus shipping

Mini-PCI-Express!

Support: Specifications | Manual

LD-11 is a LoRaWANTM compliant wireless communication module with MiniPCle connector interface. It is a low power-consuming and half-duplex module which can wirelessly transmit data to long-distance. It has built-in high-speed, low power-consuming MCU and SX1276 modulation chipset. This chipset is applied with forward error correction technique which greatly improves interference immunity and advances sensitivity. The coding can detect errors and automatically filter out errors and false data. LD-11 fully complies with LoRaWANTM specification and can work with any LoRaWANTM compliant gateway. It is suitable for M2M world especially for long-distance transmission or use in harsh environments.

Features:

- Mini PCI Express form factor
- LoRaWAN™ compliant
- Long range transmission (1km to 10km)
- 2-way duplex communication
- High penetration & strong anti-interference capability

LoRa[®] Module Globalsat LM-130 LoRaWAN™ Module

863-870MHz (EU)

Frequency 902-928MHz (US)

920-928MHz (ROA)

USB to UART IC FTD® 232HL
RF Output Power Max. 20dBm
Receiver Sensitivity -130dBm

Receiving: 90.8mA (typical)

Current Consumption Transmitting: 210mA (typical)

Sleeping: 66.8mA (typical)

 $\begin{array}{lll} \mbox{Dimension} & 50 \times 29 \times 9 \mbox{ mm} \\ \mbox{Interface} & \mbox{Mini PCIe/ USB} \\ \mbox{Operation Temperature} & -40 \mbox{°C} \mbox{~85 \mbox{°C}} \\ \mbox{Storage Temperature} & -40 \mbox{°C} \mbox{~85 \mbox{°C}} \\ \end{array}$

Operation Humidity 5%~95% (non-condensing)

System Requirements Windows[®] 7 / 8 / 10 and Linux[®] Ubuntu 12.04

Certification CE(RED), FCC, Telec, ThingPark