



999.00 EUR

incl. 19% VAT, plus [shipping](#)

- Mini-PCI-Express !

Support:  [Specifications](#) |  [Manual](#)

LD-11 is a LoRaWAN™ 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 LoRaWAN™ specification and can work with any LoRaWAN™ 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                            |
| Frequency             | 863-870MHz (EU)<br>902-928MHz (US)<br>920-928MHz (ROA)      |
| USB to UART IC        | FTD® 232HL                                                  |
| RF Output Power       | Max. 20dBm                                                  |
| Receiver Sensitivity  | -130dBm<br>Receiving: 90.8mA (typical)                      |
| Current Consumption   | Transmitting: 210mA (typical)<br>Sleeping: 66.8mA (typical) |
| Dimension             | 50 x 29 x 9 mm                                              |
| Interface             | Mini PCIe/ USB                                              |
| Operation Temperature | -40°C~85°C                                                  |
| Storage Temperature   | -40°C~85°C                                                  |
| Operation Humidity    | 5%~95% (non-condensing)                                     |
| System Requirements   | Windows® 7 / 8 / 10 and Linux® Ubuntu 12.04                 |
| Certification         | CE(RED), FCC, Telec, ThingPark                              |