999.00 EUR
incl. 19% VAT, plus shipping

- Mini-PCI-Express !

Support: Specifications | Manual

LD-11 is a LoRaWAN™ compliant wireless communication module with MiniPCIe 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) 902-928MHz (US) 920-928MHz (ROA)
USB to UART IC	FTD® 232HL
RF Output Power	Max. 20dBm
Receiver Sensitivity	-130dBm
Current Consumption	Receiving: 90.8mA (typical) Transmitting: 210mA (typical) 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