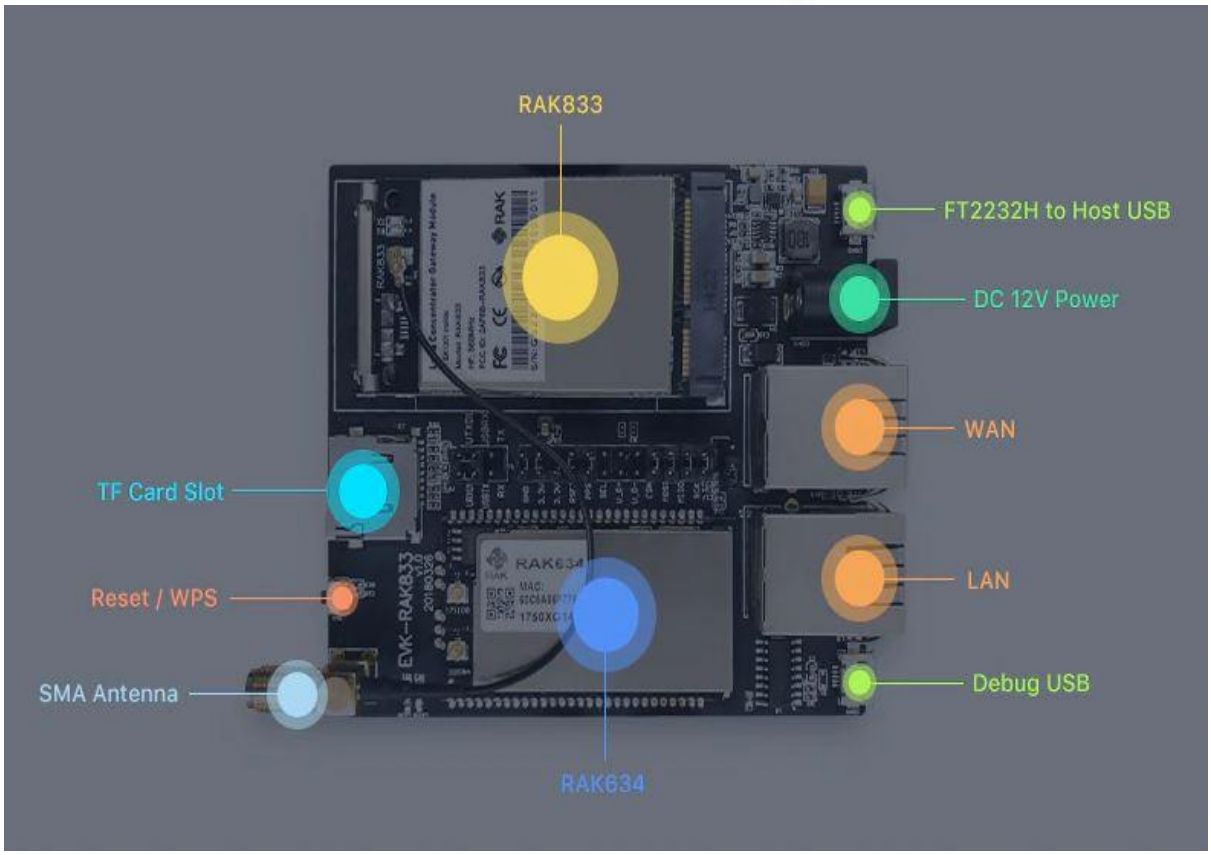
RAK833 EVB Kit

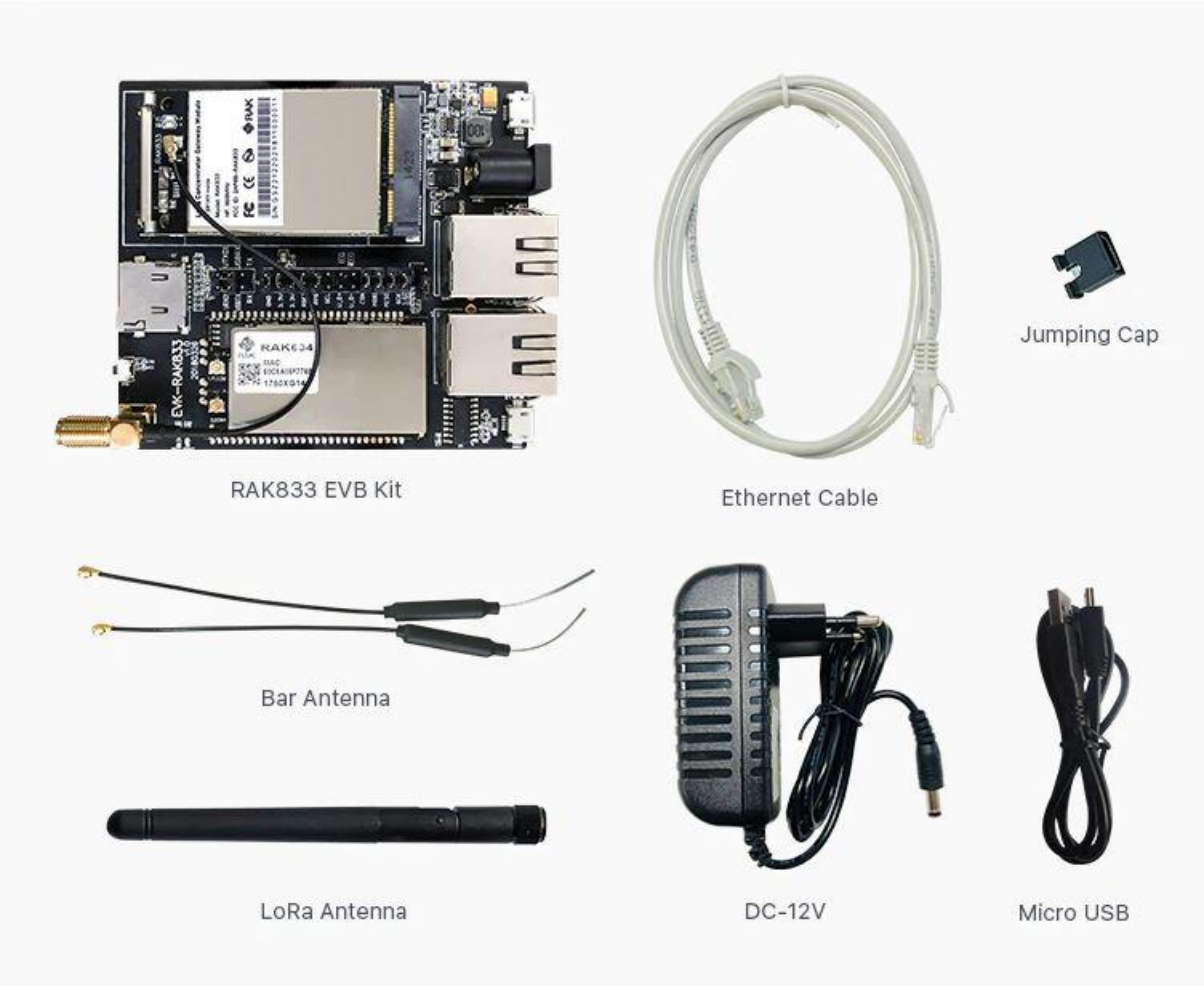
The **RAK833 EVB Kit** is specifically designed for PCIe LoRa gateways-RAK833, which can be quickly used and easily tested by developers.

RAK833 EVB Kit includes **RAK833 LoRa Gateway**, **RAK634** (Base on MT7628N wireless AP Module), 2 **USB Prots**, 1 **Power** interface, 1 **TF card slot**, 1 **Restet button** and 1 **SMA antenna** interface, 1 **WAN** and **LAN** interface.

Physical size is **90mm x 80mm x 18mm**



WHAT DO I GET



RAK833 EVB Kit	1
2 Pin Jumping Cap	20
Bar Antenna	2
LoRa Antenna	1
Micro USB	1
DC-12V	1
Ethernet Cable	1

SPECIFICATION

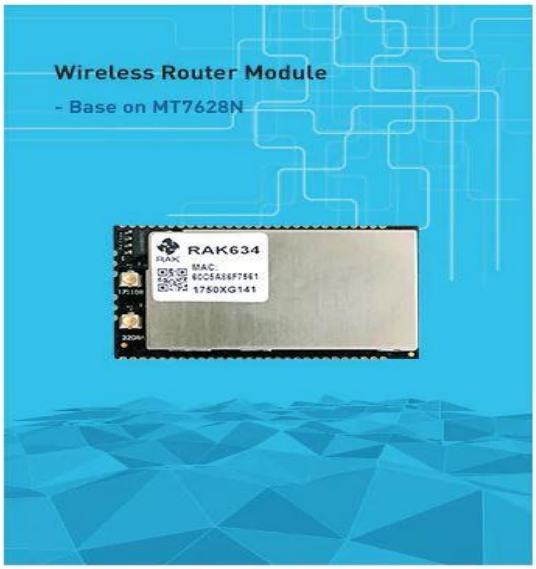
RAK833 PCIE LoRa Gateway

RAK833-SPI	Only support SPI Interface
RAK833-SPI/USB	Support both SPI & USB interface

- Frequency band 868MHz & 915MHZ
- Standard Mini PCI-e form factor with 52Pin
- Voltage of Mini PCI-e is 3.3v which compatible with 3G/LTE card of mini-PCIe type.
- Max. Tx power is 25dbm & sensitivity -136.5dbm
- Interfaces USB & SPI
- SX1301 base band processor emulates 49 x lora demodulators 10 parallel demodulation paths
- Module build in FT2232H to convert SPI interface of SX1301 to USB2.0

RAK634 AP Module

- Operating Frequencies : 2.4~2.4835GHz
- IEEE Standards : IEEE 802.11b/g/n
- Wireless data rate can reach up to 300Mbps
- Connect to the external antenna through i-pex connector or layout
- Power Supply:3.3V±0.2V
- 16MB Flash, 40MHz XTAL, 128MB DDR2



RESOURCES

Please refer to the Quick Use Guide: