KNOT

IoT Gateway for the most versatile
and cost-effective setups

CAT-M/NB technology

2.4 GHz wireless

Bluetooth

2x 100 Mbps Ethernet ports

PoE-in & PoE-out

MicroUSB

GNSS

GPIO

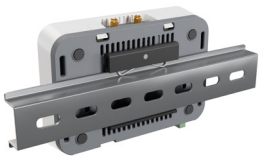
RS485/Modbus

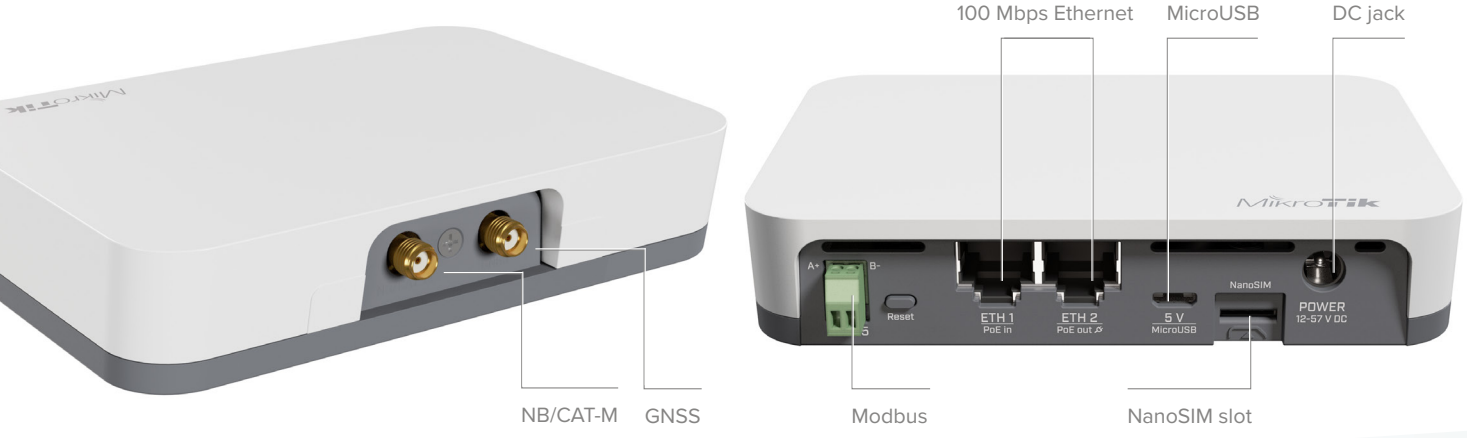
The newest addition to the MikroTik IoT product family – KNOT – is a truly universal device with exceptional connectivity options and protocol support. It is an IoT Gateway that uses Narrow Band and CAT-M technology. Because of the low cost, low bandwidth cellular connection, it is supported by countless mobile operators around the globe.
KNOT can monitor onboard GPIOs, convert Modbus protocol to TCP, and even forward Bluetooth packets to TCP/IP network via HTTPS and MQTT.
You can use the KNOT as a TCP bridge from wired Modbus sensors to send readings to a Modbus server. Yes, the KNOT brings wireless connectivity to wired sensors and actuators, such as electricity meters and relays.
It could be used as a backup connection for the Ethernet or as a management channel for your network. NB/CAT-M monthly plan is much cheaper than LTE. Why spend extra money on bandwidth you don't need? For example, you can manage a KNOT-powered vending machine with temperature and moisture sensors with only a few megabytes per day!

KNOT features so many protocol support and connectivity options: 2.4 GHz wireless, Bluetooth, 2x 100 Mbps Ethernet ports with PoE-in and PoE-out, Micro-USB. Maximum convenience at the lowest cost!

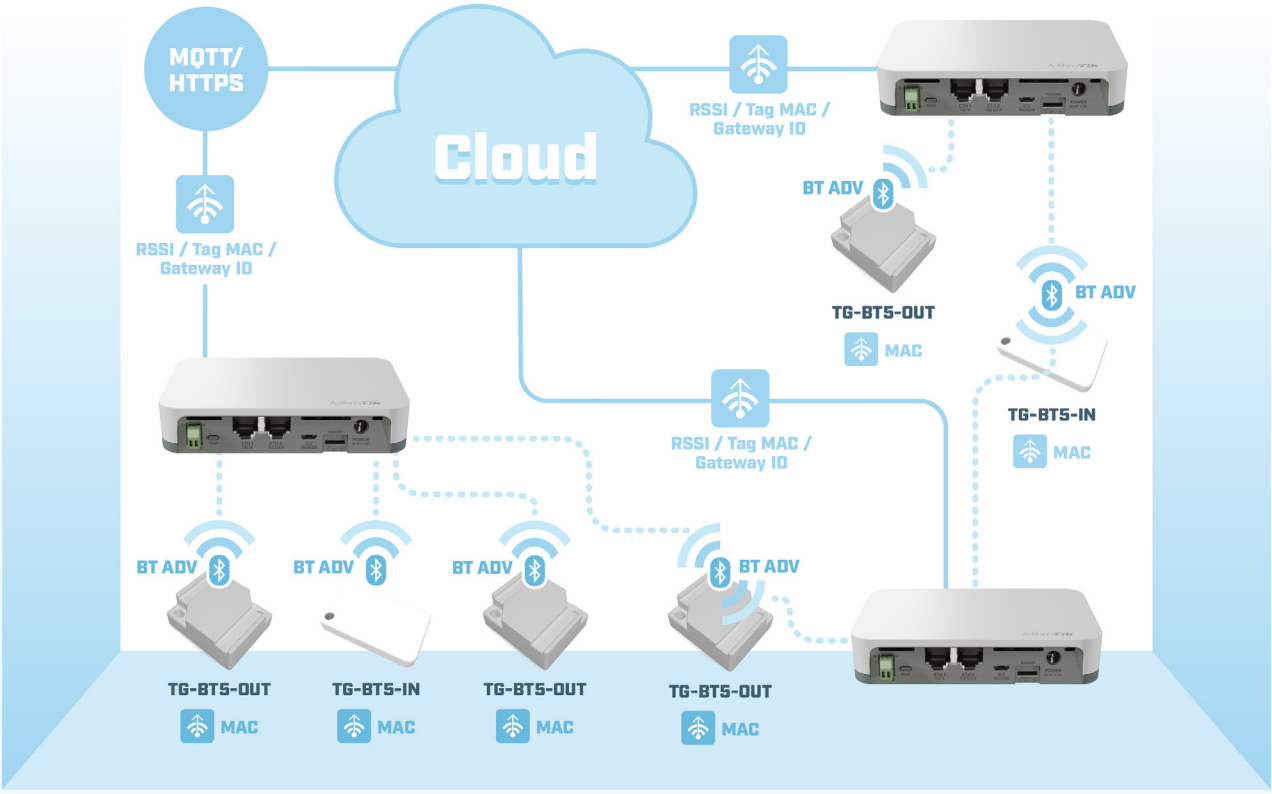
With the Bluetooth interface, you can use the KNOT for asset tracking and telemetry based on Bluetooth advertisement packets. KNOT supports any BLE tag that sends advertisement data. iBeacon, Eddystone or any other format.
It has powerful filters for forwarding only relevant packets and ignoring others.

Comes with a DIN rail mount! Suitable for mounting in outdoor cabinets and enclosures.

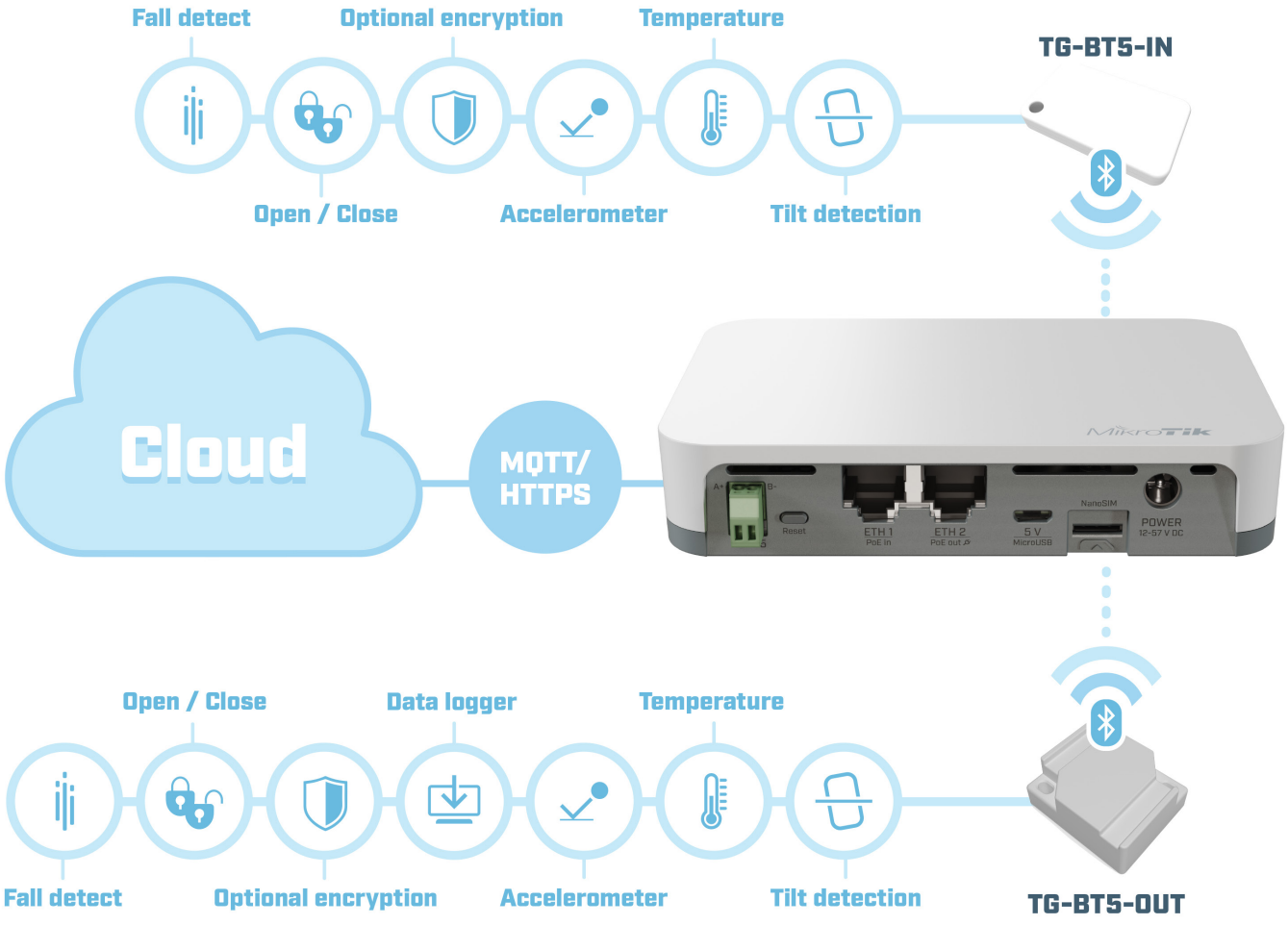




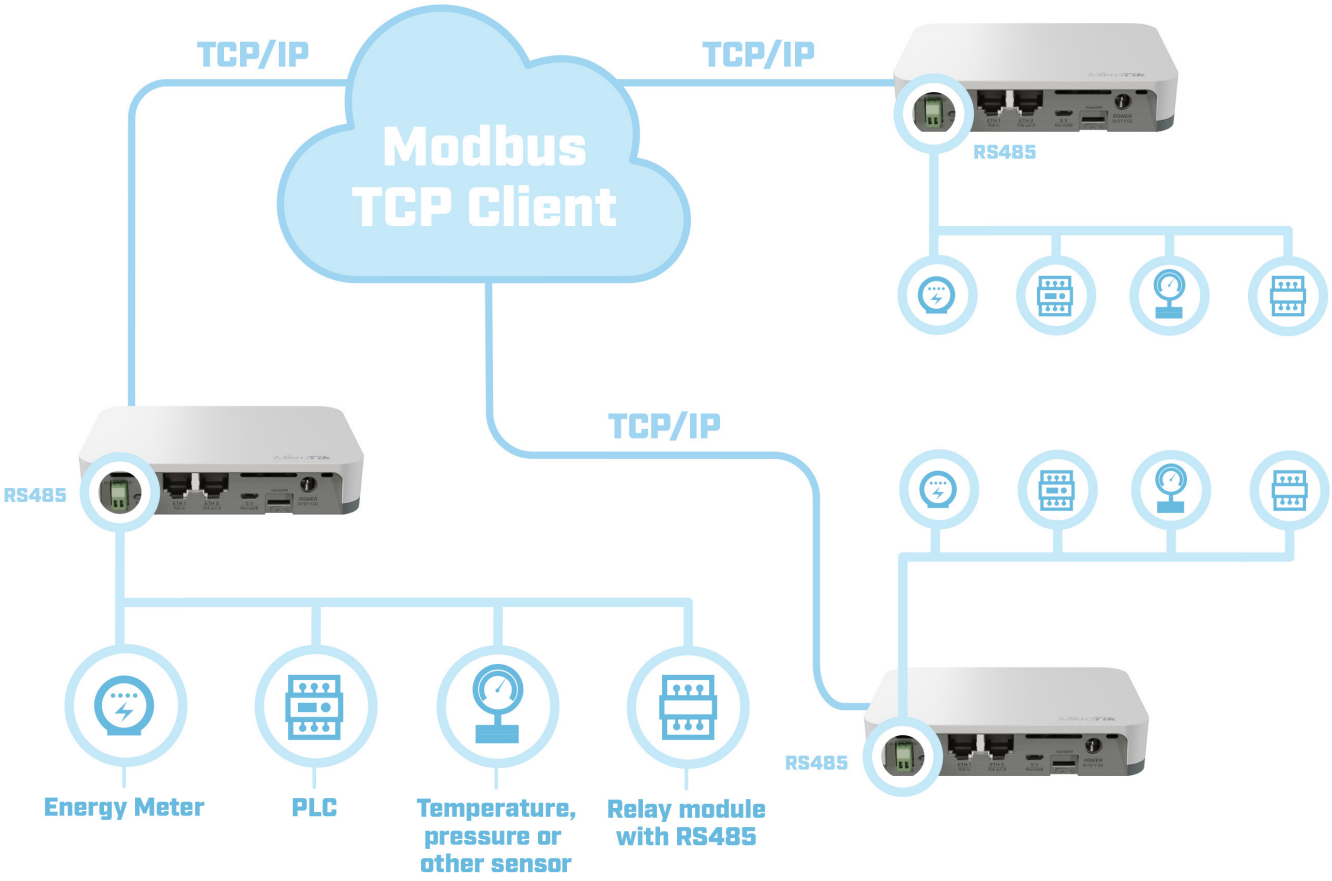
Proximity based asset tracking



Telemetry - Sensor reading



RS485 Modbus to TCP/IP bridge



Monitor GPIO