

## Specifications

Standard	NB-IoT FDD RAN (3GPP Release 15 compliant)
Platform	SDR (quad-core ARM Cortex A53 embedded Linux Ubuntu)
Channel Bandwidth	NB-IoT: 200 kHz in-band, guard band and standalone
Frequency Band	DL: 757-758 MHz UL: 787-788 MHz
Modulation	DL: QPSK UL: BPSK, QPSK
Multiplexing	SISO
Tx Power	30 dBm maximum
Receive Sensitivity	-100 dBm
Synchronization	GPS, IEEE 1588v2
Power Consumption	< 40W
Operation and Maintenance	Fault Management Configuration Management Performance Management Software Upgrade
Backhaul	LTE Cat-4 Ethernet (10/100/1000 Mbps)
Power Supply	PoE++ (60W)
Indicators	1 x System power 1 x Network connection status (Ethernet or LTE Cat-4)
Interfaces	1 x External antenna for NB-IoT fronthaul 1 x External antenna for GPS 1 x External antenna for LTE Cat-4 backhaul 1 x Gigabit Ethernet port, LAN/WAN 1 x Reset button 1 x USIM slot 1 x Micro SD slot 1 x PoE++
Physical and Environmental	Dimensions: 10" × 10" × 3.28" (254mm × 254mm × 83.4mm) Operating temperature: -4°F to 131°F (with in-box PoE unit POE60U-BTA5600-R) -40°F to 131°F (with optional PoE unit POEO75U-1BT-R) Storage temperature: -40°F to 158°F Operating humidity: 5% to 90% non-condensing Ingress protection rating: IP67 Weight: < 7 kg