

goRAN™+

Dual Bands Base Station

Next generation goRAN™+ now for dual benefits of ISM and **Band 106**. Seamless transition to B106 ensures uninterrupted connectivity as ISM phases out. FCC certification in progress.

4G LTE

License - *free*
902-928
 MHz

Seamless
switch

2-in-1

B106
900 MHz
 Anterix

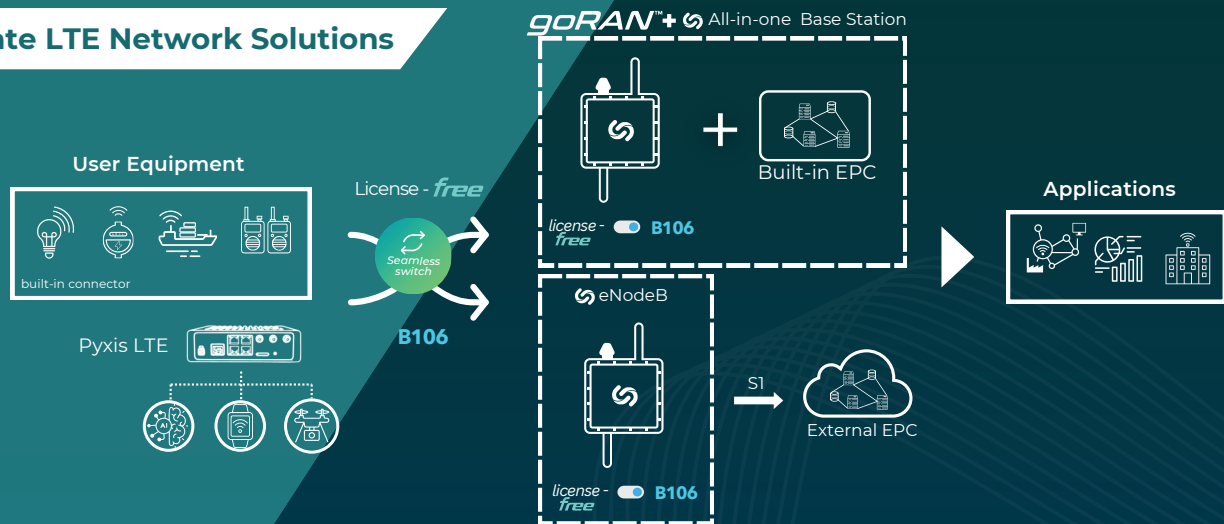


Pyxis LTE Router

NB-IoT | LTE-M | LTE
 LTE: 1.4MHz, 3MHz, 5MHz



Ubiik Private LTE Network Solutions



SPECIFICATION

Standard	LTE FDD RAN (3GPP Release 15 compliant)	
Platform	SDR (quad-core ARM Cortex A53 embedded Linux Ubuntu)	
Frequency bands	ISM-FDD (DL: 925-928 MHz, UL: 902-915 MHz) B106 (DL: 936.5-939.5 MHz, UL: 897.5~900.5 MHz)	
Channel Bandwidth	ISM-FDD: LTE-M/Cat-1/bis: 1.4/3 MHz B106: LTE/LTE-M 3 MHz	
Modulation	LTE : DL: QPSK, 16QAM, 64QAM	UL: QPSK, 16QAM
	LTE-M: DL: QPSK, 16QAM	UL: QPSK, 16QAM
Multiplexing	SISO	
Transmit Power	30 dBm maximum	
Receive Sensitivity	-100 dBm	
Synchronization	GPS, IEEE 1588v2	
Backhaul	LTE Cat-4 / Ethernet (10/100/1000 Mbps)	
Operation and Maintenance	Fault Management Configuration Management Performance Management Software Upgrade	
Power Consumption	< 40 W	
Power Supply	PoE++ (60W)	
Interfaces	1 x External antennas for LTE-M 1 x External antenna for GPS 1 x External antenna for LTE backhaul 1 x Gigabit Ethernet port, LAN/WAN 1 x Reset button 1 x USIM slot 1 x Micro SD slot 1 x PoE++	
Indicators	1 x LED for system power 1 x LED for network connection (Ethernet or LTE)	
Physical and environmental	Dimensions: 10" x 10" x 3.28" (254mm x 254mm x 83.4mm) Operating temperature: -40°F to 131°F (-40°C to 55°C) Storage temperature: -40°F to 158°F (-40°C to 70°C) Operating humidity: 5% to 90% non-condensing Ingress protection rating: IP67 Weight with antennas: 8.6 lbs. (3.9 kg)	