



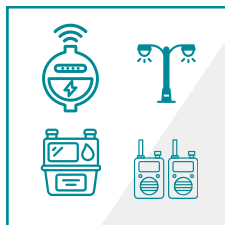
# Pyxis LTE Router



## About

Ruggedized to meet utility requirements, the Pyxis LTE brings resilient LTE-M connectivity right to the edge of the grid. Supporting a range of utility applications such as SCADA, DER integration and Distribution Automation, Pyxis LTE is the ideal endpoint for existing pLTE networks, or Ubiik's freeRAN™ and goRAN™ pLTE systems. The Pyxis LTE operates in a range of frequency bands across both private and public LTE networks. With its powerful Qualcomm System-on-Chip facilitating formidable edge computing capability and enhanced security features, the Pyxis LTE is the ultimate choice for future-proof utility networks.

### End Terminals



### Pyxis LTE



private or public LTE



**freeRAN™**  
LTE Base Station

for license-free spectrum

or

**goRAN™**  
LTE Base Station

for licensed bands

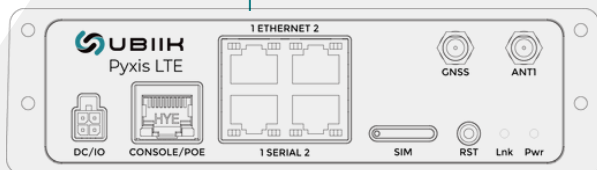


Built-in EPC



External EPC

S1



Contact Us



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## Features

- Incorporates Qualcomm's System-on-Chip IPQ5018, which includes a dual-core ARM Cortex® A53 CPU, bringing higher security, edge computing capability and lower power consumption.
- Ideal solution for connectivity to capacitor banks, reclosers, switches and a range of DA and DER grid assets.
- Supports high output power (28 dBm) in Band 106 LTE-M thanks to Ubiik's breakthrough Maverick 220 high power LTE-M module.

## Specifications

Standard	LTE-M	
Platform	Dual-core ARM 64-bit A53 @ 1.0GHz Processor 8GB eMMC + 512MB DRAM	
Frequency Band	B2, B4, B5, B12, B13, B20, B26, B66, B87, B88, B106 B111 (DL: 1820-1830 MHz, UL: 1800-1810 MHz) ISM-FDD (DL: 925-928 MHz, UL: 902-915 MHz) ISM-TDD (DL/UL 902-928 MHz)	B31 (DL: 462.5-467.5 MHz, UL: 452.5-457.5 MHz) B72 (DL: 461-466 MHz, UL: 451-456 MHz)
Tx Power	23 dBm (28 dBm for Band 106)	26 dBm
Modulation	QPSK, 16QAM	
Power Supply	PoE IEEE 802.3 AF/AT 9-60 V (nominal 12V)	
Antenna Connections	1 x LTE-M 1 x GNSS	
Indicators	2 x LED	
Interfaces	2 x Ethernet -10/100 Base-T (RJ45 connectors) 2 x RS232/485 (RJ45 connectors) 1 x Console Port or 802.3 at PoE (RJ45) GPIO (2 pins) DC_In (2 pins) 1 x Nano SIM 1 x Reset Button	
Physical and environmental	Dimensions (LxWxH): 4.87" x 5.98" x 1.65" (123.7 x 151.9 x 41.91 mm) Weight: 1.70 lbs (770g) Operating Temperature: -4°F to +149°F (-20°C to +65°C ) Storage Temperature: -40°F to +185°F (-40°C to +85°C) Humidity: 5% to 90% non-condensing	



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