nordic propeye

KONA Macro IoT Gateway

The KONA Macro IoT Gateway is an ideal solution for operators and enterprises that require a very scalable low cost LoRaWAN® gateway that minimizes network TCO while improving coverage and capacity.

KONA Macro IoT Gateway

Key features
US915, EU868, AU915, AS923 ISM Bands
Frequency Duplex 16 Rx / 2 Tx (NA)
Time Duplex 16 Rx / 2 Tx (Int.)
Integrated Cellular 3G/4G Modem
Integrated GPS and 3G/4G Antenna
IP67 Design
Hardened Carrier Grade Enclosure
27 dBm Tx Power
Integrated Cavity Filter
Precise Network Synchronization (GPS)
Geolocation (optional)

Mechanical Parameters	
MTBF	850,000 hours
DC Power Consumption	14 W (Typical)
Operational Temperature	-40°C to +60°C
Operational Humidity	10% to 100% Condensing
Ingress Protection	IP67
Size	144 x 282 x 92 mm
Weight	2.6 kg
Volume	3.7 L
LoRa Radio Parameters	
ISM Bands (FDD)	US915
ISM Bands (TDD)	EU868, AU915, AS923
Tx Power	27 dBm
Rx Sensitivity	-142 dBm (SF12, 293 bits/sec)
Rx Noise Figure	3.5 dB
Rx Linearity	-10 dBm
Rx Dynamic Range	70 dB Analog, 100+ dB Digital
Software and Management	
Tools	Access Control List managment System Health Monitor Remote Software Upgrade Factory image provisioning Active and Passive image management 3G/4G Parameter Con guration Radio Con guration and Control
Networking	DHCPv4 client TFTP server HTTP server

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	Firewall and Access Lists
Interfaces	
Ethernet Backhaul	RJ-45
GPS	Internal antenna
Cellular Backhaul (3G/4G)	Internal antenna
LoRa Antenna	N-Type
Power	37-57 VDC or PoE (802.3at)
Regulatory Compliance	
Safety	UL / CSA / EN / IEC 62368-1
Regulatory	FCC: 15.247, 15.109, 15.209 ISED: RSS - 247, RSS - Gen CE: RED 2014/53/EU