



APPLICATION

mioty empowers industries and communities with the most robust and efficient IoT connectivity solution on the market for maximum accessibility. mioty's patented telegram splitting technology applies lowest packet error rates, enabling reliable operation even in a crowded spectrum with interference by other networks.

Discover the power of mioty with the MIOTY Premium Gateway!

FEATURES

- Multi-tenant operation
- Holistic multi-layer security architecture
- Full 2-way capable
- Highest data availability
- Capacity for up to 250.000 devices
- Intelligent telegram filtering
- Gigabit Ethernet
- One external antenna port
- 868 MHz (mioty band EU1)



PRINCIPLE OF OPERATION

The MIOTY Premium Gateway receives radio telegrams according to ETSI standard TS-103-357 and data encoding agnostic. All telegrams are collected, filtered, processed and exported fully automatically, dynamically and securely (over Diehl Metering G5 Tertiary, FTP/ SFTP/ FTPS, etc.).

GENERAL

Capacity	250.000 devices
Antenna	1 SMA connection
Data granularity	Individually adjustable <ul style="list-style-type: none">▪ Stream (no data reduction)▪ Batch (1 minute - 24 hours)
Range of reception	Up to 15,000 m outdoors, depending on antenna and location

TECHNICAL DATA

Versions	868 MHz (mioty band EU1)
Interfaces	Ethernet
External power supply	AC 100...240V, 1.5A, 50-60Hz
Power connector	DC 12.0V 5.0A Max
Typical power consumption	13W

AMBIENT CONDITIONS

Operating temperature	0...+40°C
Storage temperature	-45...+80°C
Protection class	IP40 (indoor)
Humidity	10...85% (non-condensing)

DIMENSIONS

Length	143 mm
Width	197 mm
Height	55 mm
Weight	1.5 kg