

# VloT Gateway Catalogue

**Battery  
Backed Up**

**Wi-Fi and 4g**



**Long-Range Coverage**

**Massive Nodes  
connectivity**

# VloT Gateway Specifications



## Long Range LoRa

Frequency Range	865MHz (IND)
Channels	8
RF Power	26dBm
RF Sensitivity	-121dBm@125KHz/SF5
Antenna	External, 3.5dBi gain SMA connector
Capacity	10k nodes
Bit rate	5468.75 bps

## Internet Connectivity

WiFi & SIM 4G	2.4GHz
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## Network Protocol

LoRaWAN	LoRaWAN v1.1 compliant
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## Industrial Design

Material	ABS Plastic
IP Rating	IP67
Dimension	210 x 190 x 100 mm
Operating Temperature	-40 °C to +70 °C

## Power Supply

Power consumption	15W
Power Supply	DC 5V 3A
Power Backup	Up to 6 hours

## Network Server

Supported Platform	ChirpStack (v4.x)
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# VloT Node

## Versatile Sensor Capabilities

Our sensor nodes are equipped with a diverse range of capabilities, ensuring comprehensive data capture tailored to various industrial requirements.

Customisation is key to meeting bespoke needs.



### GPS Positioning

Precise location tracking for mobile assets and distributed infrastructure.



### Temperature Readings

Environmental and equipment temperature monitoring for optimal performance.



### Industrial Data Reader

Integration with 4-20mA Analog sensors for critical industrial parameters



### Motion Detection

Alerts for unexpected motion/gesture/activity detection, ensuring enhanced security and operational safety



### Customisable Sensors

Adaptable to incorporate additional sensor types as per specific project demands.

