

# Vegam

Making Factories Smarter

## vGateway

# DATASHEET



Robust Industrial  
Gateway



Secure  
Connectivity



Multiple protocol  
support - WiFi,  
Ethernet and LTE



Integrate with  
Vegam or third  
party cloud



AWS, Azure IoT  
Connector API



Edge  
Processing

**vGateway** is a robust industrial gateway which offers multiple secure connectivity options between vSens Pro and Vegam or any third party cloud platform. It is designed for rugged Industrial environment needs and comes with configurable options for various industrial wired and wireless protocols. vGateway also offers the flexibility to connect the sensor data directly to any third-party cloud with custom connectors and APIs. Additionally, in the case of limited network availability it comes with in-built storage and edge processing capabilities.

Technical Description	Specifications
Power Supply	12V-24V DC (-20%/+20%) Reverse voltage protection
Processor	NXP i.MX8M Plus Quad, quad-core ARM Cortex-A53, 1.8GHz with VPU and NPU
Storage	Up to 32GB
Network Channel	2x Gbit Ethernet, RJ45 connectors
Wi-Fi Protocol	802.11ax Wi-Fi interface
Bluetooth Protocol	BLE 5.3 (Backward Compatible)
Cellular	4G/LTE CAT4 cellular module Worldwide LTE, UMTS/HSPA+ and GSM/GPRS/EDGE coverage
BLE 5 Long Range (Line of Sight)	300 meters
WiFi Range (Line of Sight)	100 meters
Configuration Methods	Gateway Web Interface & Mobile App
Connectivity	Secure & Encrypted MQTT Protocol
Operating Temperature	-30° to 70° C
Interfaces (Optional)	USB, Digital IOs, RS485, RS232, CAN, OPC, Debug
Size	110 x 50 x 95 mm
Material	ABS/PC high endurance (Passive cooling, Fanless Design)
Weight	330 Grams
Mounting	DIN rail housing (for DIN rail version EN 50022)
Regulatory	FCC, CE, UKCA
Safety	EN/UL/IEC 62368-1