



VG55-Vehicle Gateway



OVERVIEW

The Vehicle Gateway is an advanced sensor platform that captures real-time vehicle and driver data in the cloud to improve fleet efficiency, safety, and productivity.

With live GPS tracking, remote diagnostics, FMCSA-registered ELD capabilities, and more, the Vehicle Gateway enables operators with powerful insights and analytics to optimise dispatch, routing, fuel and energy, maintenance, compliance, and driver management.

Easy to install and fully compatible with Samsara dash cameras, sensors, and accessories, the Vehicle Gateway is ideal for quick deployment, centralised visibility, and streamlined efficiency.

HIGHLIGHTS

- **Real-time location:** High precision GPS tracking with updates every second
- **Remote diagnostics:** Key vehicle data such as engine state, fuel level, mileage, and fault codes
- **Electronic logging:** FMCSA-registered ELD in the US and third-party certified in Canada; works with tachographs in Europe
- **High-speed connectivity:** 4G LTE cellular with built-in WiFi hotspot for mobile devices
- **Easy installation:** Plug and play in minutes with intuitive design for troubleshooting
- **Unified platform:** Unlocks a wide array of customisable reports, alerts, and mobile apps for drivers and admins as part of Samsara's Connected Operations Cloud

Technical Specifications

DIAGNOSTIC PROTOCOLS SUPPORTED

PROTOCOLS	NORTH AMERICA (VG55-NA)	EUROPE (VG55-EU)
High Speed CAN - OBDII / ISO-15765	Yes	Yes
High Speed CAN - J-1939	Yes	Yes
J-1708	Yes	No
Single Wire CAN	Yes	No
Secondary High Speed CAN	Yes	Yes

HARDWARE SPECS

MATERIAL	Polycarbonate housing utilising 50% post-consumer recycled content
ENCASING SIZE	71mm x 117mm x 24mm
WEIGHT	197g
USB PORT	4 Type A USB 2.0 Ports
AUXILIARY I/O PORT	8 Pin Connector
DIAGNOSTIC PORT	16 Pin Connector
SUPPORTED AUX LINES	3 Digital & 2 Digital or Analog Inputs, 1 Digital Output
INPUT VOLTAGE RANGE (POWER)	7-32V
INPUT VOLTAGE RANGE (AUX)	0-30V
TEMPERATURE RANGE	-40°C - 85°C

Wireless Connectivity Specs

CELLULAR

ACCESSIBLE CELLULAR NETWORKS - NORTH AMERICA*	AT&T and partners
ACCESSIBLE CELLULAR NETWORKS - EUROPE*	Vodafone and partners
CELLULAR GENERATION SUPPORT	NA - 3G, 4G LTE EU - 4G LTE
NORTH AMERICA (NA) CELL. BAND COVERAGE	LTE: 2,4,5,12,13 3G: 2,5 2G: None
EUROPEAN CELL. BAND COVERAGE	LTE: 1,3,7,8,20,28 3G: None 2G: None

* All major network coverage includes most supporting roaming networks for each respective network and geography

LOCATION TRACKING

GNSS (GLOBAL NAVIGATION SATELLITE SYSTEM) SUPPORTED	GPS L1, Glonass G1, & Galileo E1
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WIRELESS TRANSMISSION

WI-FI PROTOCOLS	802.11 a/b/g/n 2.4GHz
SHORT RANGE PROTOCOL	BLE 5.2

CERTIFICATIONS

FCC | ISED | PTCRB | IEC-62368-1 | NOM-221 | NOM-208 | NOM-019 | IFETEL | E-Mark | CE | RoHS/REACH | WEEE

For detailed product specifications and important safety information, please refer to the product’s installation guide.