



# VG55-Vehicle Gateway



## OVERVIEW

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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 optimize 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, centralized visibility, and streamlined efficiency.

## HIGHLIGHTS

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- **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 customizable 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 utilizing 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<br>EU - 4G LTE             |
| NORTH AMERICA (NA) CELL. BAND COVERAGE        | LTE: 2,4,5,12,13<br>3G: 2,5<br>2G: None    |
| EUROPEAN CELL. BAND COVERAGE                  | LTE: 1,3,7,8,20,28<br>3G: None<br>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 |
|---|----------------------------------|

## 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.