VG55-FN Vehicle Gateway

OVERVIEW

The Vehicle Gateway, which is now FirstNet Trusted™ and available for use on FirstNet, 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

- **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

- **High-speed connectivity:** 4G LTE cellular with FirstNet Band 14 support and built-in Wi-Fi hotspot for mobile devices

- **FirstNet Trusted™:** Now available for use on FirstNet. The FirstNet platform is changing public safety communications by giving first responders priority access to dedicated and persistent voice, data and video.

- **SSO:** Single Sign On required

- **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-FN)
High Speed CAN - OBDII / ISO-15765	Yes
High Speed CAN - J-1939	Yes
J-1708	Yes
Single Wire CAN	Yes
Secondary High Speed CAN	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	-40ºC - 85ºC

Wireless Connectivity Specs

CELLULAR

ACCESSIBLE CELLULAR NETWORKS - NORTH AMERICA*	FirstNet™ AT&T
CELLULAR GENERATION SUPPORT	4G LTE
NORTH AMERICA (FN) CELL. BAND COVERAGE	LTE: 2,4,5,12,14

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

LOCATION TRACKING

ACCESGNSS (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 | PTCRB | IEC-62368-1

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