

GemOne®

A company of **TVH** 

Onyx V4

Technical specifications



The Onyx V4 is the ultimate all-in-one tracker for your mixed fleet equipment. With 4G connectivity, high-voltage compatibility, built-in relay, and Dual-CAN support, the Onyx V4 seamlessly meets all your industrial fleet tracking needs.

Plug and play. It's that simple.

Power

Working voltage: 9 - 97V DC with over voltage protection up to 120V

Battery: 2550 mAh Li-ion internal backup battery

Physical specifications

Dimensions: 6.53 x 3.54 x 1.57 inche

Weight: 0.740 lb

Ingress protection: IP67

Operating temp.: -4°F - 140°F

Conformity & certifications: CE/RED, FCC, PTCRB, RoHS, UL/ULC and EE

GSM (data)

3FF SIM slot + eSIM

Internal antenna

4G LTE Cat 1 with 2G fallback:

LTE-FDD: B1 / 2 / 3 / 4 / 5 / 7 / 8 / 12 / 13 / 17 / 18 /

19 / 20 / 25 / 26 / 28 / 66

LTE-TDD: B34 / 38 / 39 / 40 / 41

GSM: B2 / 3 / 5 / 8

Connectivity

Bluetooth 5.4 & LE

3 status LEDs (Data, Power and GPS)

2 CAN-FD busses:

Automatic baudrate detection - Multiprotocol support: (J1939/CANOpen/Custom) -

Configurable bus termination

8 analog / digital inputs (0-97V)

2 digital outputs (built-in relays)

12V / 2A output power

Wiegand interface

RS485 with configurable bus termination

GNSS (positioning):

Internal antenna

Receiver: GPS, GLONASS, BDS, Galileo & QZSS

Accuracy: 8.20 ft

Supported peripherals

Built-in impact and movement detection:

3 axis accelerometer - 3 axis gyroscope

Keypad / RFID reader

For all industrial mixed fleets, regardless of the make or model

Contact us on info@gemone.com for more information or a demonstration of the full GemOne Onyx V4 solution.

