

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.

Onyx V4

Power

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

Battery: 2550 mAh Li-ion internal backup battery

Physical specifications

Dimensions: 166 × 90 × 40 mm
Weight: 336g
Ingress protection: IP67
Operating temp.: -20°C - 60°C
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: 2.5 meters

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.

