

OXE Connect

OXE Connect is a global connectivity solution that links every OXE-powered vessel to the OXE Cloud, giving fleet owners and service partners real-time insight into engine health, fuel usage and vessel location. A compact but powerful onboard unit reads the vessel's NMEA network and securely sends data via Wi-Fi, 4G or Ethernet to the OXE Connect Portal. Through a web interface, users can monitor live and historical engine data to support faster troubleshooting and fewer on-site visits. OXE Connect is built for future over-the-air upgrades and uses a one-way, privacy-focused data flow where engine data is shared with OXE Marine or partners only with the owner's consent.



Part no.	Description
40-0116-240	OXE Connect Modem Kit (1 per vessel)
↳ 40-0116-241	↳ Harness
↳ 40-0116-247	↳ Modem
↳ 40-0116-248	↳ Battery
40-0116-243	Antenna - LTE+GNSS, Screw Mount, 3 m* (1 per vessel; sold separately)
40-0116-246	Antenna - LTE+GNSS, Adhesive+Magnetic, 3 m (1 per vessel; sold separately)

Note: The images shown are for illustration purposes only and may not be an exact representation of the product.
 *Available in 1 m, 5 m, and 7 m.

Main features

Vessel-installed module reading NMEA network data and sending it to the OXE Cloud via Wi-Fi, 4G or Ethernet

Web, Android and iOS portal for monitoring fleet status, individual engine condition, fuel consumption and vessel location

Trip, fuel and GPS tracking for business optimization and theft monitoring, with GPS tracking fully commanded by the user.

Remote diagnostics with access to current and historical engine parameters, enabling faster root-cause analysis and fewer site visits

Privacy-first data handling: only OXE Connect unit ID and engine serial number are logged; no personal data or third-party data sharing without owner approval

One-way data flow (engine to cloud) as of today, with hardware prepared for future over-the-air updates and feature enhancements.



IoT Gateway Specs



IP67 — Dust-tight and protected from temporary immersion



Global LTE Cat 4: worldwide 4G with 3G/2G fallback where available



ARM Cortex A8 32bit 800MHz



512MB DDR3 (Up to 1 GB) 1GB NAND Flash (Up to 2 GB)



Running LINUX OS Debian File System



WiFi 802.11 a/b/g/n/ac



Concurrent reception of up to 3 GNSS GPS, GLONASS, GALILEO, BeiDou



Power saving modes & Li-Ion backup battery



Wide variety of interfaces: Up to 4 CAN bus (full speed 1Mbps CAN 2.0B), up to 2 K-line bus, Digital & Analog I/O, and plenty more



Bluetooth 4.2

Dimensions

