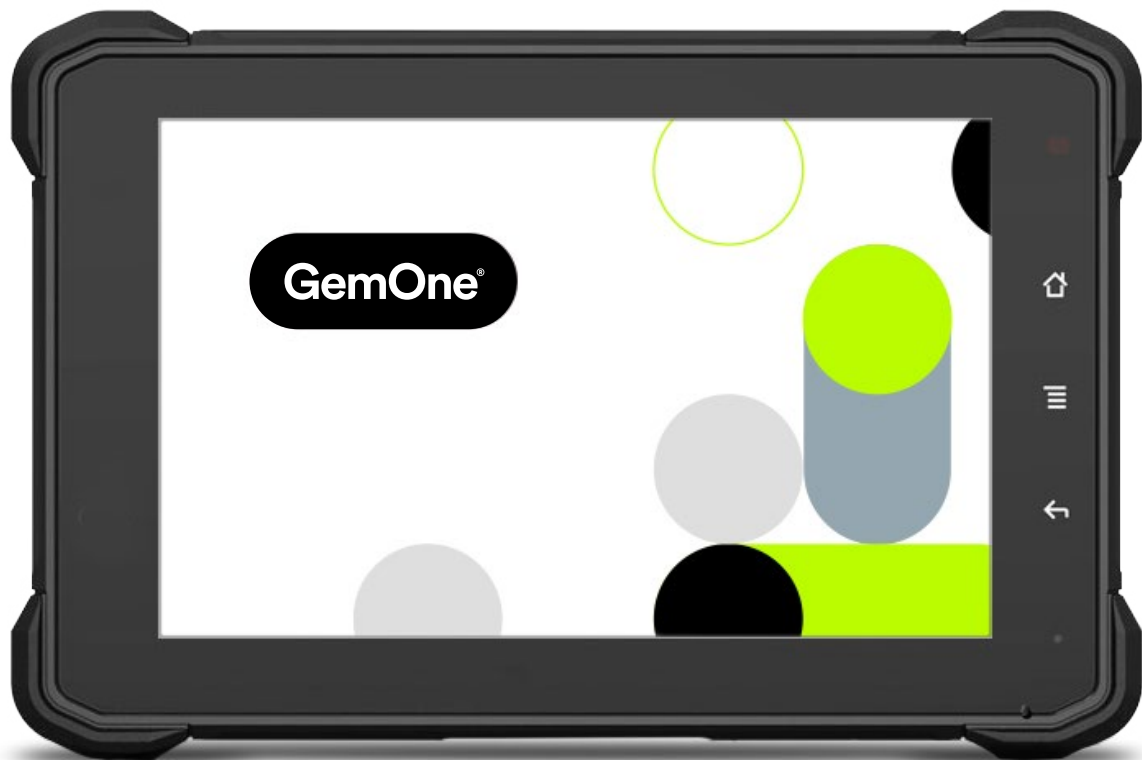


GemOne®

Sapphire

Technical specifications



Sapphire hardware utilizes Android technology, so your employees easily operate the 7" colour touchscreen. WiFi and 4G are available communications options. Choose what suits you. Thanks to the corresponding connectors, installation is a breeze.

Plug and play. It's that simple.

Sapphire

Power

Power supply: 12-110V (including DC/DC converter)
Internal battery: 13400mAh Li-ion

Physical specifications

Enclosure: Glass reinforced plastic
IP67 protected
Dimensions: 149 × 135 × 58 mm
Weight: 585g
Operating temp.: -20°C to +60°C
Conformity & Certifications: CE, FCC, PTCRB, E-mark, RED 2014/53/EU, RoHS

Display

LCD: 7" HD (1280 × 800)
Sunlight readable (800cd/m²)
Touch: 10 point capacitive multitouch
with glove and rain mode
Conformity & Certifications: Vibration MIL-STD-810G, IP67, FCC, CE, E-Mark, RED, RoHS
Operation temp.: -10°C to 65°C
Dimensions: 207 × 137 × 30 mm
Weight: 815g
Internal battery: 5000mAh Li-ion

Connectivity

Global LTE CAT 4 with 3G/2G fallback

- LTE FDD B1/B2/B3/B4/B5/B7/B8/B12/B13/B18/B19/B20/B25/B26/B28
- LTE TDD B38/B39/B40/B41
- UMTS B1/B2/B4/B5/B6/B8/B19
- GSM 850/900/1800/1900MHz

WiFi 802.11 a/b/g/n/ac
1 × 1-wire interface
Bluetooth 4.2
4 × Status LEDs
4 × Digital inputs (max 50V)
4 × Analog inputs (max 30V)
4 × Digital outputs
2 × CAN interface
1 × RS485
3 × RS232
1 × K-line

GNSS (positioning):

Receiver: GPS/GLONASS/QZSS/BeiDou
Antenna: External high gain antenna
Update rate: 10 Hz
Accuracy: 2 meters CEP

Supported peripherals

Sapphire Display
Strobe alarm and buzzer
2 × Weight sensor
Built-in 9-axis accelerometer
Keypad with RFID reader
Proximity warning solution



Security

TPM 2.0 hardware module (TrustedPlatform)
Secure TLS 1.2 communication