FOX3-2G/3G/4G Series is a compact all-in-one device combining 2G/3G/4G data connection with the latest GNSS technology to completely satisfy customer’s need. It is a highly customizable vehicle telematics device and it offers a variety of inputs and outputs to satisfy the most demanding requirements. A box (IOBOX-MINI, IOBOX-CAN or IOBOX-WLAN) can be used to extend the functionality of the FOX3-2G/3G/4G Series for the most flexible expansion options in the industry.

FOX3-2G/3G/4G Series is designed to operate with internal or external antennas. Built-in internal antennas are automatically turned off while external antennas are in use. This device will dramatically simplify your logistics as well as the installation process and the post-installation support. Newly developed LANTRONIX “Premium-Features” show the way to the future of mobile data logging, storing, processing and sending. FOX3-2G/3G/4G Series is an advanced and fully customizable vehicle tracking device. FOX3-2G/3G/4G Series offers new features like: Data Encryption, several History Modes, Eco-
4) Applicable with backup battery

A P P L I C A T I O N   A R E A S

T E C H N I C A L   S P E C I F I C A T I O N

G E N E R A L

4G /3G / 2G bands: (refer to the table below)

Internet (TCP/UDP/HTTP/SMTP)

Multi channel GNSS

(GPS/Galileo/GLONASS/Beidou)

A-GPS (online / offline / autonomous)

Protocols: NMEA, FALCOM (binary)

Accuracy: GPS GLONASS

Position: 2.5 m 4.0 m

Acquisition / Sensitivity:

Cold Start: 29 s 30 s

Tracking: -161 dBm -158 dBm

Sensitivity: -148 dBm -145 dBm

GPS Operational limits:

Velocity: 500 m/s (972 knots)

Altitude: 50.000 m

Update rate: 1 Hz

GSM / GNSS Antennas

Internal and external with automatic/manual

3) The GSM/GPRS module is fully functional (-20 °C to + 55 °C meets the 3GPP specifications)

2) Activation with PFAL-Command.

1) Optional / Accessory

2) Activation with PFAL-Command.

3) The GSM/GPRS module is fully functional (-20 °C to + 55 °C meets the 3GPP specifications) Storage and using conditions of the device with battery option are limited to the battery temperature range.

Electrical characteristics

Power supply: +10.8 V to +32.0 V DC

Internal 1000 mAh rechargeable battery

Average Power Consumption

Normal operation: 50mA @ 12 VDC

Sleep mode: < 1mA @ 12 VDC

Environmental data

Operating temp.: -40 °C to +85 °C

Storage temp.: -40 °C to +85 °C

GSM*: -40 °C to + 85 °C

Battery* Discharging temp.: -20 °C to +60 °C

Charging temp.: 0 °C to +45 °C

Physical characteristics

Dimensions (LxWxH): 105 mm x 83 mm x 28

3000 programmable Geofences

2000 programmable Waypoints

250 programmable Alarms

ECO-Drive-GPS functions

250 programmable Alarms

Customizable firmware configuration

3G

2G

4) Applicable with backup battery

5) Hardware Premium Features: CAN-interface

6) Available on FOX3-3G-AU and FOX3-2G only

Real time online tracking

Fleet management / monitoring

Car sharing

Waste management

Theft protection

Public transportation

Real time satellite navigation

Territory management

Route verification

Trip management / distance calculations

DRIVE MONITORING

G A S M

2G/3G/4G

F O X 3 - 2 G / 3 G / 4 G   A P P L I C AT I O N   A R E A S

C O M M U N I C A T I O N   N ET W O R K

W E B   S E R V E R

U S E R - I N T E R F A C E ( e . g .   D 2 S P H I R E ™ )

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FOX3-2G | - | - | Quad | CE, E1 | Standard (with) | World
FOX3-3G Std. | - | 1/2/5/8/19 | Quad | E-Mark, (CE,ISED,FCC,BT)
FOX3-3G-BLE | - | 1/2/5/8/19 | Quad | Standard (no audio) | World
FOX3-3G-AU | - | 1/2/5/8/19 | Quad | Bluetooth Low | World
FOX3-3G-DR | - | 1/2/5/8/19 | Quad | Audio (Spk. + | World
FOX3-3G-BID | - | 1/2/5/8/19 | Quad | Dead-Reckoning | World
FOX3-4G-C4 | Cat 4: 2/4/5/7/17 | 1/2/4/5 | Quad | CE,E1,ISED,FCC | Standard (no audio) | 4G North America, 3G/2G World
FOX3-4G-C4 | Cat 4: 1/3/5/7/8/20 | 1/2/4/5 | Quad | CE,E-Mark | Standard (no audio) | 4G Europa, 3G/2G World
FOX3-4G-C1 | Cat 1: 3/7/20 | - | 900/1800 | CE,E-Mark | Standard (no audio) | 4G Europa, 2G Dual-band

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