

## ADVANCED TELEMATICS GATEWAY

Lantronix, Inc., a 30 year storied M2M and IoT specialist, designs, manufactures and sells worldwide state-of-the-art devices, services and solutions ideally suited to numerous applications: fleet management, car-sharing, usage-based insurance, asset and workforce tracking and security, precision farming, and more.

### The Complete Package to Successfully Deploy Your Telematics Projects

Many projects fail due to the lack of integration between hardware, connectivity from service providers, critical accessories such as antennas and the lack of adaptation to the field. Lantronix provides a versatile telematics gateway that connects the featured scenarios, connectivity, advanced support and a device management platform, ConsoleFlow™; for device performance, location and real-time notifications of critical events.

### A Large Choice Of Hardware Interface To Connect Your Vehicle Globally

FOX3 Series gateways are customizable, compact all-in-one devices combining cellular data connection with the latest GNSS technology, along with a variety of inputs and outputs.

Want to deploy in a complex industrial environment or urban canyon? The FOX3 is designed to simplify logistics, the installation process and the post-installation support.

### Protect and Process in the Edge; Do Your Own Customization

Simply connect the FOX3 gateway to any telematics platform with powerful PFAL scripting language or the highly popular LUA. The FOX3 also supports MQTT and REST API to ease your hardware integration and shorten your time to market.

### ConsoleFlow™ Centralized Device Management Platform

Monitor, manage, and control your devices from anywhere, at any time with the ready-to-use software platform web application. The easy-to-use platform provides software-defined automation with zero-touch provisioning across all of your devices and the capture of device telemetry data for event management and analytics.

### Connectivity Services - IoT Cellular Platform

Lantronix's cloud-based Connectivity Services platform provides users the ability to activate, monitor and manage connectivity for all devices. The easy-to-use dashboard and analytics tools provide key insights into connectivity solution operations. Extensive diagnostics help troubleshoot any connectivity issues that may arise.

### Perfect For



### FOX3 Highlights

- Send to the cloud only what you need with the FOX3 edge processing and local data storage to reduce your recurring cost and ensure the fastest response time from your device.
- Keep critical data safe from cyber attack by using advanced encryption such as AES, SSL/TLS.
- Collect vehicle information such as tachograph (FMS), RPM (x1000), temperature, fuel level, with high accuracy using Lantronix "Premium Features."
- Collect ID, buzz, magnetic detection, movement, temperature, using BLE sensors "approved by Lantronix" or bring your own.

## General

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

## Electrical Characteristics

Power supply: +10.8 V~ 60 V DC  
Internal 1000 mAh rechargeable battery<sup>1)</sup>

### 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<sup>3)</sup>: -40°C to +85°C  
Battery<sup>4)</sup> 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 mm

## Interfaces

3 x Digital/analog IO ports (user-configurable)  
1 x Predefined digital input (Ignition)  
3 x LED indicators (user-configurable)  
2 x RS-232 Ports (1xV.24 level;1xRS-232/RS-485<sup>2)5)</sup>)  
1 x 10pin Mini-USB connector (for IOBOX-MINI<sup>1)</sup>,  
IOBOX-CAN<sup>1)</sup> or IOBOX-WLAN<sup>1)</sup>)  
1 x 1-Wire interface (incl. 5V Phantom Power)  
1 x I<sup>2</sup>C interface  
1 x 4pin audio jack interface (2.5mm)<sup>5)</sup>  
1 x CAN-Bus Interface<sup>2)5)</sup> (uses 2 of 3 I/Os)  
1 x Inside SIM card holder for 1,8/3 V SIM cards  
1 x USB 2.0 interface

### Sensor / Measurement Range

3-axis Acceleration/Temperature  
- 3DG: ± 8g (programmable)  
- Temperature: - 50 to + 120°C (programmable)

### Processor Core

RTC  
8 MB Flash (History / Firmware / Configuration)