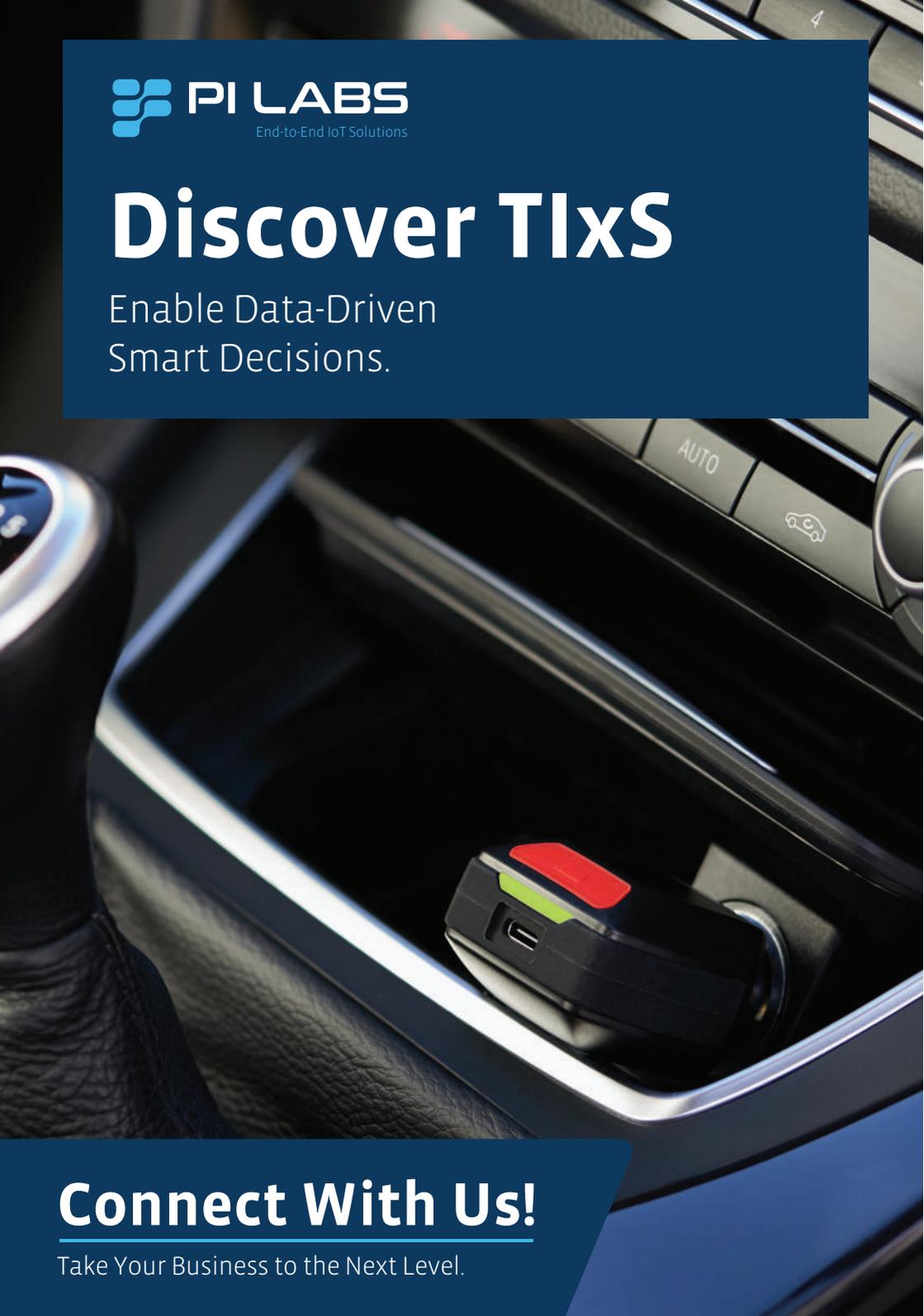




Discover TlxS

Enable Data-Driven
Smart Decisions.

A close-up photograph of a car's center console. A black USB device with a red top and a green light is plugged into a USB port. The device is connected to a USB cable that is plugged into a car's auxiliary port. The background shows the car's interior, including a gear shift and a button labeled "AUTO".

Connect With Us!

Take Your Business to the Next Level.

TixS

IoT Intelligence by PI Labs

Overview

- › Efficient Tracking, Monitoring and Data Collection
- › Optimized for Ultra-Mobile Use
- › Robust to Environmental Conditions
- › Cost-optimized for High Quantities
- › Enabled for Global Standards

Applications

- › Insurance Telematics
- › Vehicle Tracking
- › Fleet Management
- › Positioning
- › Emergency Call

Key Features

- › LTE/GSM-modem & Embedded SIM
- › GNSS, Accelerometer & Gyroscope
- › Persistent Flash Memory
- › High-Security through Hardware Encryption
- › Telematics Engine

Add-on Features

- › Device Manager
- › Cloud Data Hub
- › Freely Configurable Device Button
- › USB Charging Outlet
- › Crash Detection

Your Benefits

- › **Extend Your Product Portfolio**
- › **Enhance Services Optimizations**
- › **Use State-of-the-Art Technology to Increase Efficiency**

Drive Innovation
and Digitalization

How Does TixS Work?

- 1 Plug&Drive
- 2 Secure Data Transfer
- 3 Make Data-Driven Decisions

Done. That's Efficient.



TixS CL

TIXS CL

Superior Quality that Meets Your Requirements

Technical Specification

Certifications	
CE, FCC	

Telematics Engine	
Remote Update	
Buffered Messages	Up to 4 Weeks of Driving Data

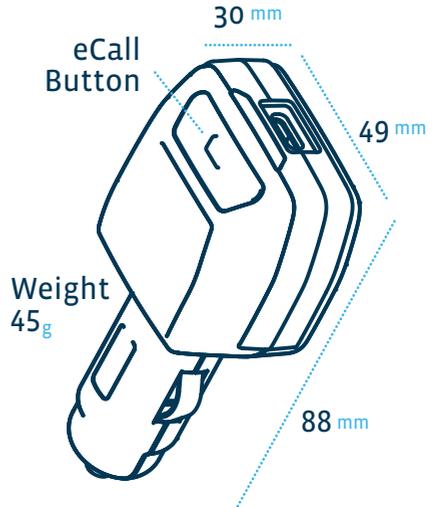
Cellular & Sensors	
LTE Cat M1, Cat NB1 & EGPRS Modem	
Internal GNSS & Cellular Antennas	
eUICC / Embedded SIM Access	
3D Accelerometer and 3D Gyroscope	

Data Support	
SMS, MQTT, SSL/TLS, HTTP(S), PPP, TCP, UDP, SNTP, PING	

Satellite Location	
GNSS	GPS, GLONASS, BeiDou/Compass, Galileo, QZSS
Tracking Sensitivity	-157 dBm
Acquisition Sensitivity	-157 dBm (hot start) -146 dBm (cold start)
AGPS	Via Cellular Network

Security	
TLS12Encryption	
Hardware Encryption Module	

Electrical	
Operating Voltage	6-18 VDC
Power Consumption	Typical 2mA @ 12 V (Deep Sleep), Typical 50mA @ 12 V (Active Tracking)



Battery Pack*	
Capacity	330 mAh
Technology	Lithium-Polymer
Charging Temperature	0° to +45° C
Storage Conditions	Minimum 1-year Device Storage Without Battery Damage

Environmental	
Temperature	-20° to +60° C
Humidity	95% RH @ 50° C Non-condensing

Comprehensive I/O	
USB-C Socket *	Charging Port for Up to 1.5 A
Status LED	1 RGB LED
Button*	Freely Configurable Button

*optional

Welcome to PI Labs

Find the Right Solution for Your Company

PI Labs is a Digital Services Solutions Provider.

We offer world-class products and solutions in the areas of Digitalization, the Internet of Things, and Telematics.

Our cross-skilled team of business experts, engineers, developers, and data scientists empowers our customer's vision from conception to full-scale implementation.

As a major member of the Pixida Group, PI Labs has continuously proven the potential of Digital Transformation.

We are committed to excellence in creating digital value that drives success.

Looking for More?



Explore Our Offer

Take the Best Option for Your Business

TixS FM



TixS CL



Matching Usability Needs with Different Options

PI Labs GmbH
Ungererstr. 129
80805 Munich
Germany

Connect with us at
info@pi-labs.eu



qualified
device
internet of things