



## Ixxat Mobilizer Standard 800

Item number: 1.01.0143.08000

The Ixxat Mobilizer Standard 800 is a powerful and versatile solution for automotive uses, integrating two LIN and eight CAN FD interfaces. It's ideal for logging, gateway, and rest bus simulation tasks – easily configurable with the Ixxat Advanced Configuration Tool (ACT).



*Configurable automotive platform (8 x CAN/CAN FD, 2 x LIN, and more)*

### Features and benefits

- ✓ **Go-to solution for demanding network requirements**  
The Mobilizer enables easy integration of multiple bus systems into a single, compact device. This is essential for e-mobility projects and complex industrial applications.
- ✓ **Multi-connectivity with various interfaces**  
Additional interfaces included: 8 x CAN/CAN FD, 2 x LIN, 1 x Ethernet (10/100/1000 Base-TX), 2 x Digital in/out (A/E), USB 3.0 device and USB 2.0 host and a SDXC slot.
- ✓ **Embedded platform with own processing power**  
All applications run on the device, a PC is only needed for configuration or stimulation/visualization of data, as the actual intelligence is outsourced to the embedded platform.
- ✓ **Quick and easy configuration through ACT support**  
The platform is supported by the Ixxat ACT (Advanced Configuration Tool), a Windows-based tool to easily configure the device via drag and drop. Most use cases can be solved by using ACT Freeware.
- ✓ **Compatibility with advanced standards**  
Supports industrial protocols, including EtherCAT, facilitating high-speed data transfer and network integration for complex applications – especially suited for automotive engineering.
- ✓ **Improved data management for efficient engineering**  
The Ixxat Mobilizer series streamlines data management and protocol handling, optimized for automotive testing, logging and gateway operations. Ensuring easy integration and reliable performance.
- ✓ **Overvoltage protection**  
Galvanic isolation safeguards against overvoltage and protects from potential electrical damage.
- ✓ **Support for Linux and QNX**  
Using the free ECI driver package, the hardware can be easily integrated into Linux-based environments as well as into applications under the QNX real-time operating system. 32- and 64-bit ARM (Raspberry Pi) and Intel X86 platforms are supported.

# Ixxat Mobilizer Standard 800



## General

Net Weight (g)	2200
Packed Width (mm)	15
Packed Height (mm)	15
Packed Depth (mm)	27
Packed Weight (g)	2200
Operating Temperature °C Min	-40
Operating Temperature °C Max	70
Storage Temperature °C Min	-40
Storage Temperature °C Max	70
Relative Humidity	10 to 95 %, non-condensing
Current Consumption Type Value at Vcc Nom (mA)	620 mA (12 V DC)
Input Voltage (V)	6 V to 36 V DC
Power Connector	3-pole
Isolation	D-Sub connectors: 1 kV DC for 1 second, 500 V AC/60Hz for 1 minute; LAN connection: 1.5 kVrms/60Hz, 2.25 kV DC for 1 minute
Housing Materials	Aluminium
Packaging Material	Cardboard

## Identification and Status

Product ID	1.01.0143.08000
Country of Origin	Germany
HS Code	8517620000



## Identification and Status

Dual Usage	No
Export Control Classification Number (ECCN)	EAR99

## Physical Features

Connectors / Input / Output	4 x D-Sub 9 connectors, 2 x USB type A ports, 1 x USB type C port, 3 x RJ45 connectors, 1 x Phoenix MC 1.5-3-STF-3.81 BK (power)
Contains Battery	No

## CAN Features

CAN Mode	CAN high-speed (ISO 11898-2)
CAN Baud Rate	up to 1 Mbit/s

## CAN FD Features

CAN FD Mode	ISO CAN FD (ISO 11898-1: 2015)
CAN FD Transceiver	TCAN1462
CAN FD Baud Rate	up to 8 Mbit/s

## LIN Features

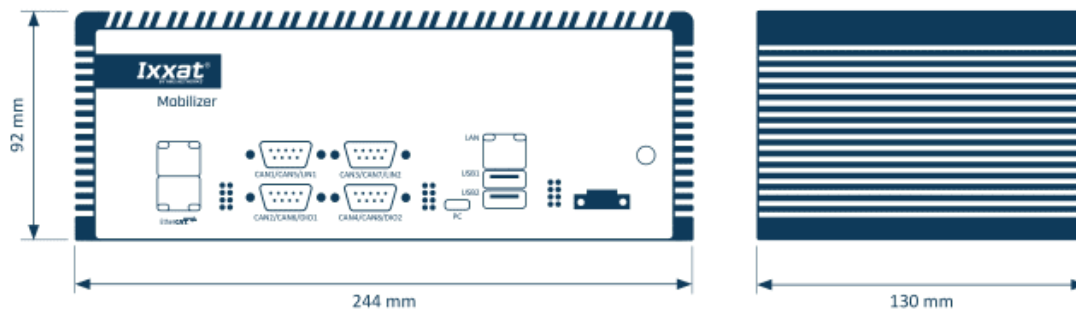
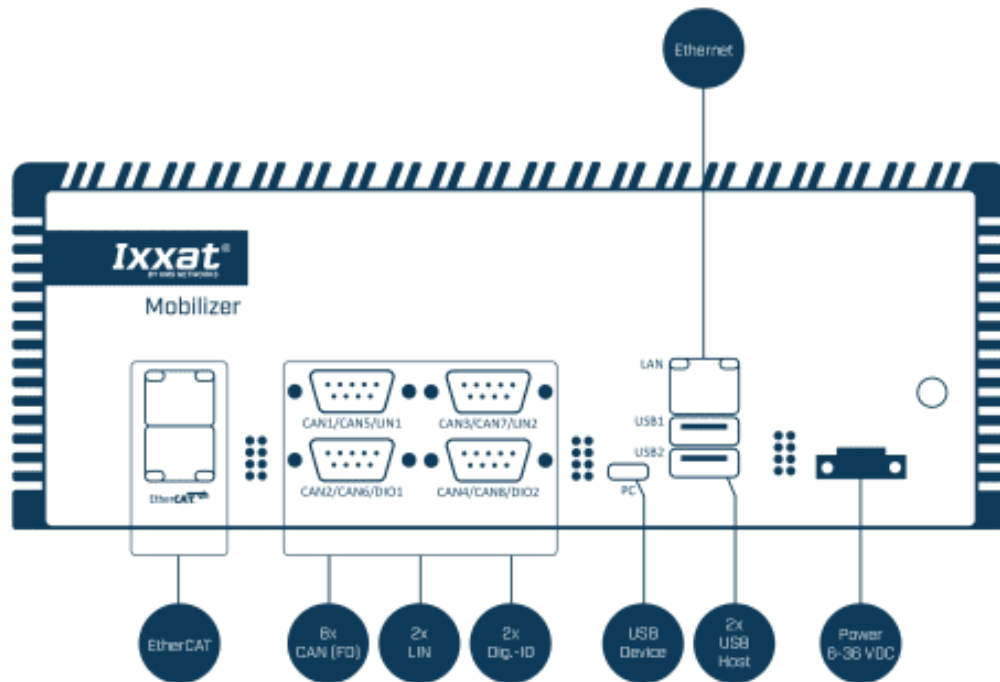
LIN Transceiver	MCP2003B-E/MC
LIN Baud Rate	up to 20 kBit/s

## Certifications and Standards

Protection Class IP	IP40
CE	Yes
FCC	Yes



## Use Case



## Use Case

