



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.

✓ 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.

✓ 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.

✓ 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.

✓ 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.

✓ 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.

✓ Overvoltage protection

Galvanic isolation safeguards against overvoltage and protects from potential electrical damage.

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General

Related Accessories	1.04.0143.00003,1.04.0143.00002,1.04.0143.00001
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



Identification and Status

HS Code	8517620000
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

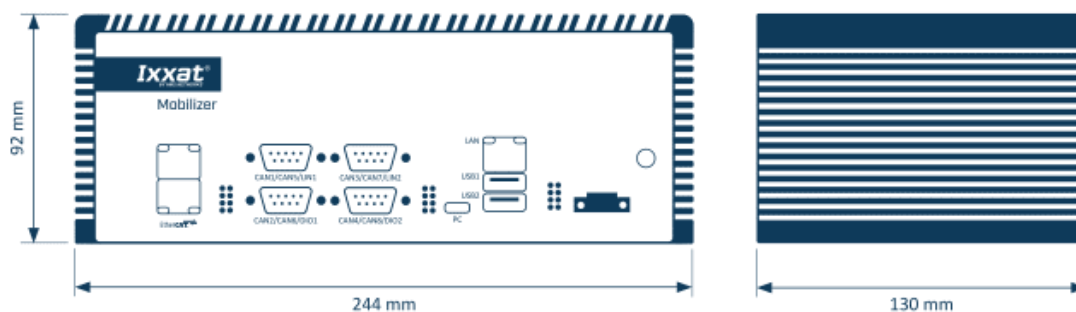
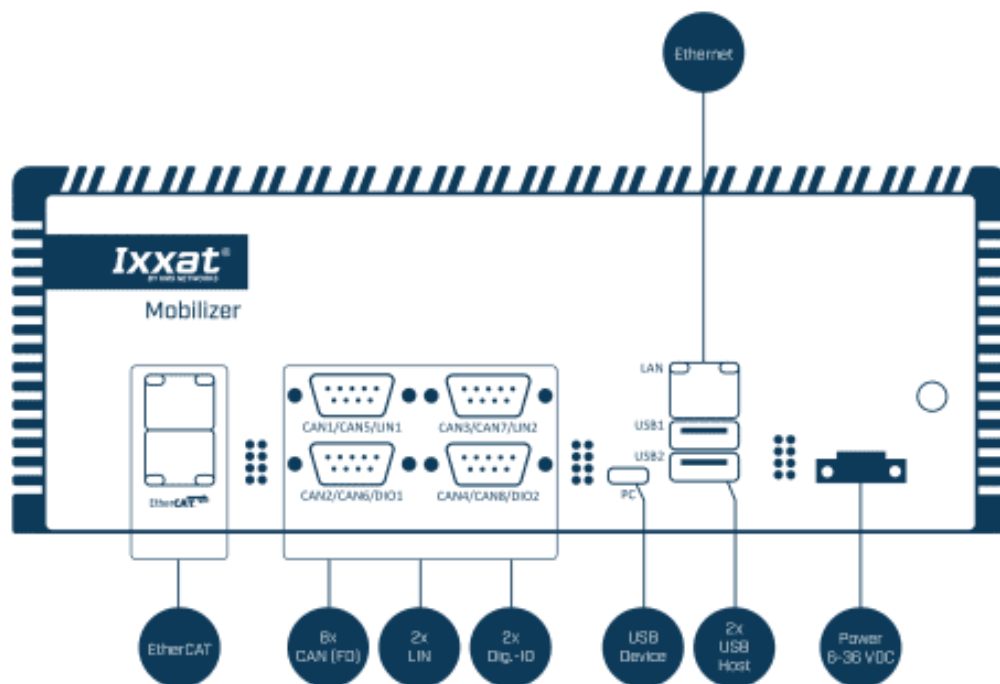
LIN Transceiver	MCP2003B-E/MC
LIN Baud Rate	up to 20 kBit/s

Certifications and Standards

Protection Class IP	IP40
CE	Yes
FCC	Yes



Use Case



Use Case

