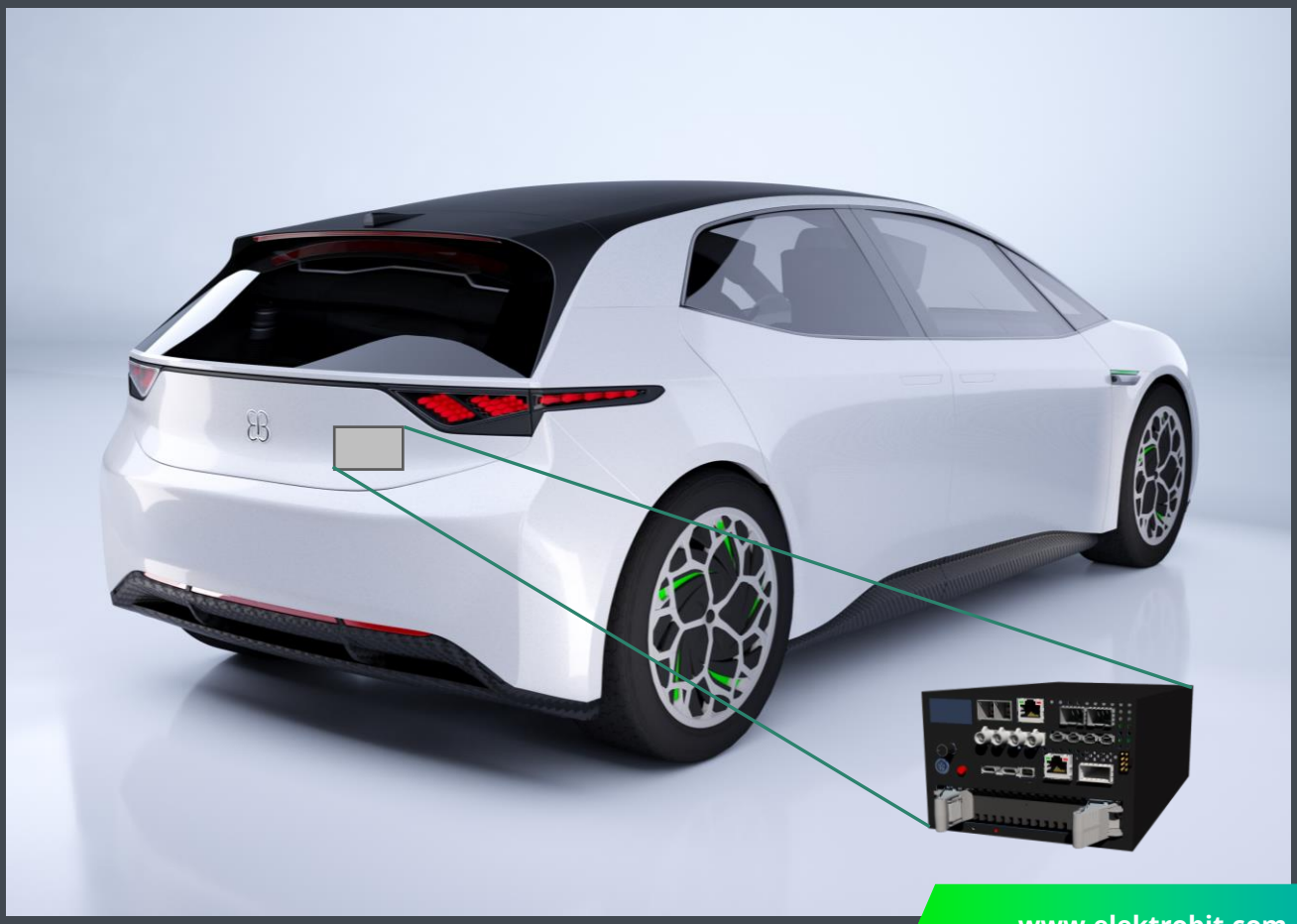
Elektrobit

EBX3 boxed – next gen data logging

Small in size, low power consumption, broad temperature range & onboard SSD-storage



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EBX3 boxed

A compact and flexible data logging solution for every need:

- **Data collection on the road**
- **Field testing**
- **Endurance testing**

Highlights

- **Small in size & low in power consumption**
- **Interface flexibility**
- **No additional PC or application SW needed**

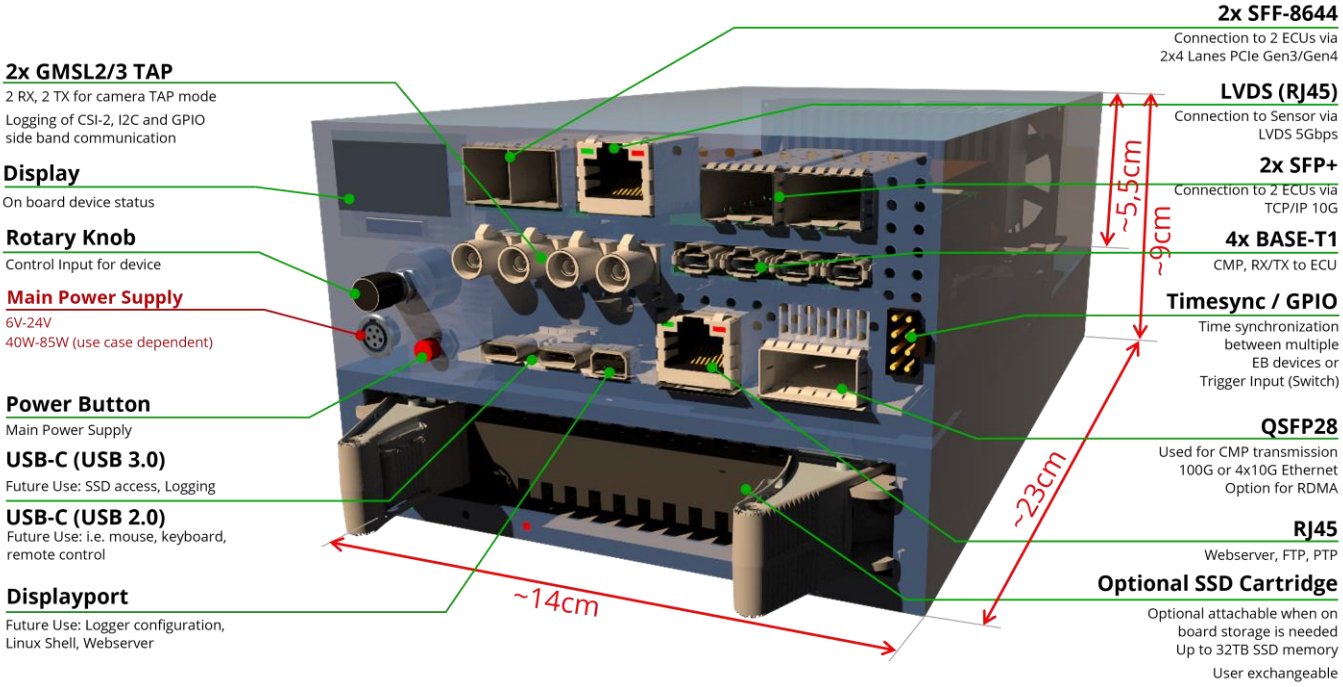
Power consumption: 62W – 85W

230 x 140 x 55mm (w/o SSD)
230 x 140 x 90mm (incl. SSD)

Customer specific interface development

Additional features:

- Operation range -20°C to 70°C
- Up to 32 TB storage capacity
- SSD write rates ~ 7 GB/s
- Booting time of < 4sec
- Webserver & health monitoring



New interface modules (2025 onwards)

Custom	LVDS	SFP+	QSFP+	Ethernet
Development of customer specific modules	Aurora Receiver AGBT 2.5Gbps/lane	10G TCP/IP module	10/40G TCP/IP module	(g)PTP synchronization in slave or master mode.

Available interfaces (as of Q3/2024)

BASE-T1	Flexray	DSI3	CAN-FD	GMSL2/3	GPIO
Multi Gigabit automotive BASE-T1 1G/ 2.5G/5G/10G	2 channels per module	For ultrasonic sensors	2 channels per module	2 RX Links + 2 TX Links, TAP mode	SPI, I2C, GPIO

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