

μCROS 1.1 XL

Compact data logger for fleet management

- 4 CAN high speed and 2 FlexRay interfaces
- Wake on CAN, FlexRay (WoC, WoFR)
- Quickstart, No Message Lost (NML), Wake on CAN (WoC)
- Multiple video channels for USB and IP cameras
- Integrated WiFi module or GPS receiver
- Developed for applications in harsh environments
- Configuration with Phoenix software & web interface



Device	
Operating system	Linux (64 bit)
Processor	Intel ATOM E3825
RAM memory	2 GB
Data logger software	dataLog
Storage medium	mSATA
Storage capacity	8 ... 128 GB
Voltage supply	6 ... 36 VDC
Supply voltage thresholds	Switch-on 6 ±0.3 VDC / Switch-off 6 ±0.3 VDC
Power consumption, typical	12.0 W
Working temperature range	-20 ... 75 °C (-4 ... 167 °F)
Storage temperature range	-30 ... 85 °C (-22 ... 185 °F)
IP-Code	IP 40 (ISO 20653 - 2013)
Relative humidity	5 ... 95 %
Dimensions	B133 mm x H58 mm x T124 mm (5.24 in x 2.28 in x 4.88 in)
Weight	1018 g (2.24 lb)
Software functions	
Configuration software	Phoenix (IPEmotion)
No Message Lost (NML)	Yes
Wake on CAN (WoC)	Yes
Wake on FlexRay (WoFR)	Yes
On board scripting	Yes
On board math & logic operations	Yes
File formats for data storage	BLF, AVI, WAV, MDF4.0, MDF4.1, ASC, ATFX
Interfaces	
Ethernet interface to PC	1 GbE (400 Mbit Bandwidth)
CAN HS (ISO 11898-2)	Yes

ETH (1 GigETH)	Yes
FlexRay	Yes
Driver display system	openABK
Interface option 1	4 CAN / 2 FlexRay
Interface option 2	4 CAN / 2 FlexRay + GPS
Interface option 3	4 CAN / 2 FlexRay + WiFi
Protocols and traffic	
CCP / XCP on CAN	Yes
OBD	Yes
KWP on CAN	Yes
UDS / ODX / PDX	Yes
XCPonETH	Yes
FlexRay / XCP on FlexRay	Yes
openABK	Yes
SOME IP	Yes
FlexRay traffic	Yes
CAN traffic	Yes
CAN send	Yes
Wireless communication	
GNSS (Global Navigation Satellite System)	10 Hz (GPS) / 5 Hz (GPS+BeiDou / Glonass)
WiFi	2.4 GHz (WiFi 802.11 a/b/g/n)
IPEcloud / FTP server	Yes
Video	
IP-Camera (Real Time Streaming Protocol)	AXIS, BASLER, LINKSYS, etc... / MJPEG-stream
USB Video Class (UVC)	Any camera with MJPEG stream
Accessories	
System cable	101793.pdf
Input cable	102025.pdf
Input cable	102029.pdf
Input cable	110479.pdf