



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 3G modem, WiFi and GPS receiver
- ▶ Developed for applications in harsh environments
- ▶ Configuration with Phoenix software & web interface



Device	
Operating system	Linux (32/64 bit)
Processor	Intel ATOM E3825
RAM memory	2 GB
Data logger software	dataLog
Removable 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	W133 mm x H58 mm x D124 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	100 Mbit
USB 2.0 ports	1
Lemo, 9-pin for M-CAN modules	1
CAN HS (ISO 11898-2)	Yes
ETH (1 GigETH)	Yes

FlexRay	Yes
Driver display system	openABK
Interface option 1	4 CAN / 2 FlexRay
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 traffic send	Yes
Wireless communication	
GNSS (Global Navigation Satellite System)	10 Hz (GPS) / 5 Hz (GPS+Baidu / Glonass)
WiFi	2.4 GHz (WiFi 802.11 a/bg/n)
Modem	3G (UMTS)
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 µCROS Power Cable 150-20 (8-Pol Lemo)
	102029 µCROS Interface Cable 100/45/20
	102025 CAN Break Out Box
Input cable	110479 µCROS CAN Interface Cable 4 x 100/45/20



For further information or pricing,
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