

μCROS 1.1

Compact data logger for fleet management

- 4 CAN high speed interfaces
- Wake on CAN (WoC)
- Quickstart, No Message Lost (NML), Wake on CAN (WoC)
- Integrated 3G modem, WiFi and 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	> 5.0 W
Working temperature range	-20 ... 75 °C (-4 ... 167 °F)
Storage temperature range	-30 ... 85 °C (-22 ... 185 °F)
IP-Code	IP 67 (ISO 20653 - 2013)
Relative humidity	5 ... 95 %
Dimensions	B132 mm x H36 mm x T108 mm (5.20 in x 1.42 in x 4.25 in)
Weight	680 g (1.79 lb)
Software functions	
Configuration software	Phoenix (IPEmotion)
No Message Lost (NML)	Yes
Wake on CAN (WoC)	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
CAN HS (ISO 11898-2)	Yes
Interface option 1	4 CAN

Interface option 2	4 CAN / WiFi / GPS
Interface option 3	4 CAN / WiFi / Modem
Interface option 4	4 CAN / GPS / Modem
Protocols and traffic	
CCP / XCP on CAN	Yes
OBD	Yes
KWP on CAN	Yes
UDS / ODX / PDX	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)
Modem	3G (UMTS)
IPEcloud / FTP server	Yes
Video	
Accessories	
System cable	101793.pdf
Input cable	102029.pdf
Input cable	110479.pdf
Input cable	102025.pdf