

ARCOS 1.5

Highly modular data logger for fleet management

- Full scalability of CAN, LIN, FlexRay, ETH inputs
- 3G modem, WiFi and GPS can be modularly equipped
- HDMI and DVI interface
- Multiple video channels for USB and IP cameras
- Wake on CAN, LIN, FlexRay (WoC, WoL, WoFR)
- Quickstart, No Message Lost (NML), Wake on CAN (WoC)
- Developed for applications in harsh environments
- Configuration with Phoenix software & web interface



Device	
Operating system	Linux (64 bit)
Processor	Intel i3
RAM memory	4 ... 16 GB
Data logger software	dataLog
Storage medium	cFast / mSATA / 2x SATA with Drivebay
Storage capacity	8/ 16/ 32/ 64 GB/ 4 ... 500 GB
Voltage supply	6 ... 50 VDC
Supply voltage thresholds	Switch-on 6 ±0.3 VDC / Switch-off 6 ±0.3 VDC
Power consumption, typical	> 9.0 W
Working temperature range	-40 ... 85 °C (-40 ... 185 °F)
Storage temperature range	-45 ... 90 °C (-49 ... 194 °F)
IP-Code	IP 40 (ISO 20653 - 2013)
Relative humidity	5 ... 95 %
Dimensions	B184 mm x H37 mm x T144 mm (7.24 in x 1.46 in x 5.67 in)
Weight	1175 g (2.59 lb)
Software functions	
Configuration software	Phoenix (IPEmotion)
No Message Lost (NML)	Yes
Wake on CAN (WoC)	Yes
Wake on LIN (WoL)	Yes
Wake on FlexRay (WoFR)	Yes
Wake on SMS (WoSMS)	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 / 2 x 1 GbE
USB 2.0 ports	2 ... 4
USB 3.0 ports	1 ... 2
CAN HS (ISO 11898-2)	Yes
CAN FD	Yes
LIN (1.3 & 2.0)	Yes
ETH (100 Mbit)	Yes
ETH (1 GigETH)	Yes
FlexRay	Yes
Audio input / output	CAN microphone
Driver display system	openABK / HDMI / DVI
Interface option 1	Modular 2 ... n CAN
Interface option 2	Modular 2 ... n LIN
Interface option 3	Modular 1 ... n ETH
Interface option 4	Modular 1 ... n FlexRay
Extender boxes	CLFD Box, AnalogBox 32, ThermoBox 32, ThermoBox 128
Protocols and traffic	
CCP / XCP on CAN	Ja
OBD	Yes
KWP on CAN	Yes
UDS / ODX / PDX	Yes
XCPonETH	Yes
FlexRay / XCP on FlexRay	Yes
MOST (25 / 150)	Yes
openABK	Yes
SOME IP	Yes
FlexRay traffic	Yes
CAN traffic	Yes
LIN 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	
IP-Camera (Real Time Streaming Protocol)	AXIS, BASLER, LINKSYS, etc... / MJPEG stream
USB Video Class (UVC)	Any camera with MJPEG stream
Accessories	
System cable	100658.pdf
System cable	102537.pdf
System cable	112361.pdf