

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 via IPEmotion plugIn CAETEC-dataLog & web interface



Interfaces	
CAN HS (ISO 11898-2)	Yes
CAN FD	Yes
LIN (1.3 & 2.0)	Yes
ETH (100 Mbit)	Yes
FlexRay	Yes
Analog input	No
Digital I/O	No
Audio input / output	CAN microphone
Ethernet interface to PC	Ethernet (1Gbit) 2 x Ethernet (1Gbit)
USB 2.0 ports	2 ... 4
USB 3.0 ports	1 ... 2
Lemo, 9-pin for M-CAN modules	via PM-Modul
Driver display system	openABK (dataLog) 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

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Device	
Operating system	Linux (64 bit)
Processor	Intel i3
RAM memory	4 ... 16 GB
Performance Index	1626
Data logger software	dataLog IPEmotion RT
Storage medium	cFast mSATA
Storage capacity	32/ 64 / 120 GB + 4 ... 500 GB
Voltage supply	6 ... 50 VDC
Supply voltage thresholds	On 6 ±0.3 VDC / 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	W184 mm x H37 mm x D144 mm (7.24 in x 1.46 in x 5.67 in)
Weight	1175 g (2.59 lb)
Protocols and traffic	
CCP / XCP on CAN	Yes
J1939	Yes (IPEmotionRT)
OBD	Yes
WWH-OBD	Yes (IPEmotionRT)
KWP on CAN	Yes
UDS / ODX / PDX	Yes
XCP on ETH	Yes
FlexRay / XCP on FlexRay	Yes
openABK	Yes (dataLog)
SOME IP	Yes
FlexRay-Traffic	Yes
CAN-Traffic	Yes
LIN-Traffic	Yes

ETH-Traffic	Yes
CAN-send	Yes
Software functions	
Configuration software	IPEmotion
No Message Lost (NML)	Yes
Wake on CAN (WoC)	Yes
Wake on LIN (WoL)	Yes
Wake on FlexRay (WoFR)	Yes
On board scripting	Yes
On board math & logic operations	Yes
File formats for data storage	ZIPRT, BLF, AVI, WAV, MDF4.0, MDF4.1, ASC, ATFX, PCAP (depending on operating system)
Wireless communication	
GNSS (Global Navigation Satellite System)	10 Hz (GPS) / 5 Hz (GPS+BeiDou / Glonass)
WiFi	2.4 GHz / 5 GHz (WiFi 802.11 a/b/g/n/ac)
Modem	3G (UMTS)
IPEcloud / FTP-Server	Yes
Video	
IP-Kamera (Real Time Streaming Protocol)	AXIS, BASLER, LINKSYS, etc... / MJPEG stream
USB Video Class (UVC)	All cameras with MJPEG format
Accessories	
System cable	112361 102537 100658