

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 |