

M-LOG V3

Modular data logger for fleet management

- CAN FD, LIN, ETH inputs in combinations available
- cFast data storage up to 64 GB
- 4G modem and WiFi interface with COMgate V3
- Microphone input and audio output
- Driver display via IPEmotion ME
- Quickstart, Wake on CAN (WoC)
- Galvanic isolation of CAN FD, LIN, ETH, DIG I/O inputs
- Developed for applications in harsh environments
- Software integration via XCP on ETH / A2L format



Interfaces	
CAN HS (ISO 11898-2)	Yes
CAN LS (low speed)	Yes
CAN FD	Yes
LIN (1.3 & 2.0)	Yes
ETH (100 Mbit)	2
FlexRay	Via FlexRay Satellite Interface
Digital I/O	4/4
COM (serial RS232)	2
Audio input / output	1
Ethernet interface to PC	100 Mbit
USB 2.0 ports	2
Lemo, 9-pin for M-CAN modules	2
Driver display system	IPEmotion ME
Interface option 1	12 CAN FD
Interface option 2	8 CAN FD + 4 LIN
Interface option 3	8 CAN FD + 2 ETH
Interface option 4	6 CAN FD + 2 LIN + 2 ETH
Interface option 5	4 CAN FD + 2 ETH
Extender boxes	FlexRay, LIN, CAN FD Satellite Interface
Device	
Operating system	Linux (64 bit)
Processor	Intel ATOM E3805
RAM memory	2 GB

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Data logger software	IPEmotion RT
Storage medium	cFast
Storage capacity	32 / 64 GB
Voltage supply	9 ... 36 VDC
Supply voltage thresholds	On 9 ±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 ... 95 °C (-49 ... 203 °F)
IP-Code	IP 54 (ISO 20653 - 2013)
Relative humidity	5 ... 95 %
Dimensions	B158 mm x H69 mm x T102 mm (6.22 in x 2.72 in x 4.02 in)
Weight	850 g (1.87 lb)
Protocols and traffic	
CCP / XCP on CAN	Yes
J1939	Yes
GM-LAN	Yes
OBD	Yes
WWH-OBD	Yes
UDS / ODX / PDX	Yes
XCP on ETH	Yes
FlexRay / XCP on FlexRay	Yes
SOME IP	Yes
FlexRay-Traffic	Yes
CAN-Traffic	Yes
LIN-Traffic	Yes
CAN-send	Yes
Software functions	
Configuration software	IPEmotion RT.UI
Wake on CAN (WoC)	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)	1 Hz (GPS)
WiFi	Via COMgate V3, IPEwifi V3
Modem	Via COMgate V3
IPEcloud / FTP-Server	Yes
Video	
IP-Kamera (Real Time Streaming Protocol)	Yes
USB Video Class (UVC)	Yes
Accessories	
System cable	620-607 620-649 620-691 630-507 620-692 620-591 620-574
Input cable	600-739 620-324 620-578 620-621 620-685 620-686 USB2ETH-MLOG
Antenna	620-631 M-LOG PR08 COM2 cable GPS GPS-REC-SER-181 GPS Magnetic base antenna