

M-LOG V3

Modular data logger for fleet management

- CAN, 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 on IPEmotion Android App
- Quickstart, Wake on CAN (WoC)
- Galvanic isolation of CAN, LIN, ETH, DIG I/O inputs
- Developed for applications in harsh environments
- Software integration via XCP on ETH / A2L format



Device	
Operating system	Linux (64 bit) / RTOS 32 (32 bit)
Processor	Intel ATOM E3805
RAM memory	2 GB
Data logger software	IPEmotion RT / TESTdrive
Storage medium	cFast
Storage capacity	8/ 16/ 32/ 64 GB
Voltage supply	9 ... 36 VDC
Supply voltage thresholds	Switch-on 9 ±0.3 VDC / Switch-off 9 ±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)
Software functions	
Configuration software	IPEmotion
Wake on CAN (WoC)	Yes
On board math & logic operations	Yes
File formats for data storage	DAT, BIN, AVI, WAV, MDF4.1
Interfaces	
Ethernet interface to PC	100 Mbit
CAN HS (ISO 11898-2)	Yes
CAN LS (low speed)	Yes
CAN FD	via CAN FD Satellite
LIN (1.3 & 2.0)	1 ... 4

FlexRay	1 (mit Extender)
Digital I/O	4/4
Driver display system	IPEmotion App / openABK
Interface option 1	12 CAN
Interface option 2	8 CAN + 4 LIN
Interface option 3	8 CAN + 2 ETH
Interface option 4	6 CAN + 2 LIN + 2 ETH
Interface option 5	4 CAN + 2 ETH
Extender boxes	FlexRay Extender, COMgate V3, IPEwifi
Protocols and traffic	
CCP / XCP on CAN	Yes
J1939	Yes
GM-LAN	Yes
OBD	Yes
WWH-OBD	Yes
KWP on CAN	Yes
UDS / ODX / PDX	Yes
XCPonETH	Yes
FlexRay / XCP on FlexRay	Yes
openABK	Yes
CAN traffic	Yes
CAN send	Yes
Wireless communication	
GNSS (Global Navigation Satellite System)	1 Hz (GPS)
WiFi	Via COMgate V3
Modem	Via COMgate V3
VPN tunnel	Via COMgate V3
IPEcloud / FTP server	Yes
Video	
USB Video Class (UVC)	Logitech / ELP / Misumi
Accessories	
System cable	620-574.pdf
System cable	620-591.pdf
System cable	620-691.pdf
System cable	630-507.pdf
System cable	620-649.pdf
System cable	620-692.pdf
System cable	620-607.pdf
Input cable	600-739.pdf
Input cable	620-685.pdf
Input cable	620-621.pdf
Input cable	620-578.pdf

Input cable	620-686.pdf
Input cable	620-324.pdf
Antenna	GPS-REC-SER-181 GPS Magnetfuß Antenne
Antenna	620-631 M-LOG PR08 COM2 Kabel GPS
Input cable	USB2ETH-MLOG.pdf
Input cable	USB2ETH-MLOG.pdf