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High Performance Data Logger for Automotive Testing

- ▶ 12 CAN inputs
- ▶ WakeOnCAN supported on all CAN inputs
- ▶ Quick start with NoMessageLost feature (NML) to acquire first CAN messages from wake-up
- ▶ Low standby current consumption
- ▶ Complete galvanic isolation for CAN, ETH and DIG I/O inputs
- ▶ Configuration with IPEmotion
- ▶ Data streaming to IPEmotion, ETAS INCA, Vector CANape via CAN or XCPonETH
- ▶ Wireless connection via 3G, WiFi
- ▶ Integrated GPS receiver supports global positioning
- ▶ No fans, hard drives or other mechanical rotating components ...

Operating system	Realtime operating system (RTOS32)
Data storage	1,8" SSD, removable (option)
Intelligent power management	WakeOnCAN, NoMessageLost (NML) emergency supply backup with high capacity capacitors
Voltage supply	9 V _{DC} to 36 V _{DC}
Power consumption, typical	12.0 W
Working temperature range *	-40 °C ... +85 °C (-40 °F ... +185 °F)
* Derating for data transfer	-40 °C ... +70 °C (-40 °F ... +158 °F)
Storage temperature range	-45 °C ... +90 °C (-49 °F ... +194 °F)
Relative humidity	5 ... 95 %
IP-Code	IP 54 (ISO 20653 - 2013)
Dimensions (W x H x D)	206.5 mm x 73 mm x 166.5 mm (8.13 in x 2.87 in x 6.56 in)
Weight	approx. 1890 g (approx. 4.167 lb)

IPElog

PC	
CPU	Intel® Atom™ Z520PT, 1.33 GHz, 512 kB L2-Cache
RAM / Memory	1 GB
DAQ application running on the logger	TESTdrive (≥ Version 3.50)
Configuration software (Windows, external)	IPEmotion (≥ Version 2.0) with Logger PlugIn (≥ Version 3.50)
Interfaces	
USB 2.0	Service interface, data transfer Display M-VIEWfleet Peripheral devices
1 Type A female	
2 VIEW - Lemo connector	
3 USB2 - Lemo connector	
M-CAN	IPETRONIK system bus CAN (M-Series modules, CANpressure, MultiDAQ)
LINK	Ethernet connection IPElog < > PC used for configuration and online data visualization (XCPonETH)
CAN measurement inputs	12 x CAN High Speed acc. to ISO 11898-2
Digital input and output	4 x DIG IN / 4 x DIG OUT
Ethernet measurement inputs (optional)	2 x Fast Ethernet (100Base-TX)
Wireless components	
Modem built-in	GPRS/UMTS/3G Quad-band EGSM 850/900/1800/1900 FME connector for external antenna
Wireless LAN built-in	WiFi 2.4 GHz, 54 Mb/s acc. to 802.11 b/g SMA connector for external antenna
Positioning built-in	WiFi 2.4 GHz, 54 Mb/s acc. to 802.11 b/g SMA connector for external antenna
Specific features	
Protocols	CCP, XCPonCAN, XCPonETH, KWOnCAN, UDS, J1939, OBD, Automotive Ethernet
CAN-Send	Output measurement signals and online calculated values to the CAN bus
Statistics	Online statistical calculations (DIN, Rainflow)
Traffic measurement	Record data from the CAN bus using the traffic mode. Several data filters and trigger functions supported.
Quickstart	Fast boot-up with NoMessageLost feature
IPEcloud	Web portal for centralized administration of the logger fleet, data management, file conversion, status monitoring, logfile analysis, e-mail alerting, reporting
Standard cables (extract)	
Power/Remote	620-574.xxx PWR/REM - Banana
M-CAN terminated (connecting modules)	620-429.xxx CAN/PWR term - M-CAN Lemo 0B
Display M-VIEWfleet	620-578.xxx VIEW - Lemo 1B angled
Display/Online data to IPEhub2	620-689.xxx LOG-VIEW – IPEconnect (IPEhub2)
Ethernet (IPElink, IPElog < > PC)	620-591.xxx ETH - RJ45 (crosslink)
Ethernet (IPElink, IPElog < > network)	620-355.xxx ETH - RJ45
Measuring input CAN 1	600-580.xxx CAN D-Sub - open
Measuring input CAN 1 - 7, CAN 2 – 8, ...	620-593.xxx CAN D-Sub - 2x D-Sub 9/Pin (standard)
Digital input / digital output	620-324.xxx DIG I/O HD-Sub 15 - open