

## IPElog2

### Scalable data logger for fleet management

- Inputs are combinable up to 16 CAN, 6 LIN, 2 ETH
- 4 switchable CAN high speed and low speed inputs
- Quickstart, No Message Lost (NML), Wake on CAN/LIN
- cFast data storage up to 64 GB
- Integrated 3G modem, WiFi and GPS receiver
- Driver display via IPEmotion ME
- Galvanic isolation of CAN, LIN, ETH, DIG I/O inputs
- Developed for applications in harsh environments
- Software integration via XCP on ETH / A2L format



<b>Device</b>	
Operating system	Linux (64 bit)
Processor	Intel ATOM E3940
RAM memory	4 GB
Data logger software	IPEmotion RT
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	10.0 W
Working temperature range	-40 ... 85 °C (-40 ... 185 °F)
Storage temperature range	-45 ... 90 °C (-49 ... 194 °F)
IP-Code	IP 54 (ISO 20653 - 2013)
Relative humidity	5 ... 95 %
Dimensions	B206 mm x H73 mm x T166 mm (8.13 in x 2.87 in x 6.56 in)
Weight	1750 g (3.86 lb)
<b>Software functions</b>	
Configuration software	IPEmotion RT.UI
No Message Lost (NML)	Yes
Wake on CAN (WoC)	Yes
Wake on LIN (WoL)	Yes
On board scripting	Yes
On board math & logic operations	Yes
File formats for data storage	ZIPRT, MDF4.1
<b>Interfaces</b>	
Ethernet interface to PC	1 GbE
USB 2.0 ports	2

USB 3.0 ports	1
Lemo, 9-pin for M-CAN modules	1
CAN HS (ISO 11898-2)	Yes
CAN LS (low speed)	Yes
CAN FD	Yes
LIN (1.3 & 2.0)	Yes
ETH (100 Mbit)	1
ETH (1GbE)	2
FlexRay	Via FlexRay Satellite Interface
Digital I/O	4/4
COM (serial RS232)	1
Audio input / output	1
Driver display system	IPEmotion ME
Interface option 1	10 CAN + 6 LIN + 2 ETH
Interface option 2	16 CAN + 2 ETH
Interface option 3	16 CAN FD + 2 ETH
Extender boxes	FlexRay & CAN FD Satellite Interface
<b>Protocols and traffic</b>	
CCP / XCP on CAN	Yes
J1939	Yes
GM-LAN	Yes
OBD	Yes
WWH-OBD	Yes
UDS / ODX / PDX	Yes
XCPonETH	Yes
FlexRay / XCP on FlexRay	Yes
openABK	Yes
CAN traffic	Yes
LIN traffic	Yes
CAN send	Yes
<b>Wireless communication</b>	
GNSS (Global Navigation Satellite System)	1 Hz (GPS)
WiFi	2.4 GHz / 5 GHz (WiFi 802.11 a/b/g/n/ac)
Modem	3G (UMTS / HSDPA)
IPEcloud / FTP server	Yes
<b>Video</b>	
IP camera (Real Time Streaming Protocol)	Yes
USB Video Class (UVC)	Yes
<b>Accessories</b>	
System cable	620-574.pdf
System cable	620-679.pdf
System cable	620-688.pdf

System cable	620-691.pdf
System cable	630-524.pdf
System cable	620-072.pdf
Input cable	600-739.pdf
Input cable	620-324.pdf
Input cable	620-621.pdf
Input cable	620-578.pdf
Input cable	620-684.pdf
Antenna	IPE-ANT-001.pdf
Antenna	IPE-ANT-006.pdf
Antenna	IPE-ANT-011.pdf
Antenna	IPE-ANT-004.pdf