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IPEhub2

Compact data logger for experimental validation

- 2 CAN Input
- SD data storage up up to 32 GB
- Visualisation via mobile devices and IPEmotion.ME App
- Galvanic isolation of CAN inputs
- Developed for applications in harsh environments
- Configuration with IPEmotion RT.UI via LAN WLAN interface
- Online calculation,classification, CAN-sens functionality
- Encrypted data transfer WPA2

Interfaces	
CAN HS (ISO 11898-2)	2
Ethernet interface to PC	Ethernet (100 Mbit)
Lemo, 9-pin for M-CAN modules	1
Driver display system	IPEmotion ME
Interface option 1	2 CAN
Device	
Operating system	Linux (32 bit)
Processor	Arm
RAM memory	256 MB

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Inputs	2 CAN
Data Transmission	WLAN
Data logger software	IPEmotion RT
Storage medium	SD (power failure protection & read fault management)
Storage capacity	16/ 32 GB
Voltage supply	9 … 36 VDC
Supply voltage thresholds	On 9 ±0.3 VDC / Off 6 ±0.3 VDC
Power consumption, typical	4.0 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	B106 mm x H43 mm x T62 mm (4.17 in x 1.69 in x 2.44 in)
Weight	360 g (0.79 lb)
Protocols and traffic	
CCP / XCP on CAN	Yes
J1939	Yes
OBD	Yes
UDS / ODX / PDX	Yes
CAN-Traffic	Yes
CAN-send	Yes
Software functions	
Configuration software	IPEmotion RT.UI
On board math & logic operations	Yes
File formats for data storage	ZIPRT, IAD, MDF4.x, PCAP, PCAPNG (IPEmotionRT)
Wireless communication	
WiFi	2.4 GHz (WiFi 802.11 b/g)
IPEcloud / FTP-Server	Yes
Accessories	
System cable	620-561 M-PWR term cable, banana 620-560 M-CAN cable 620-680 IPEhub2 PC cable RJ45
Input cable	620-684 IPEhub2/IPElog CAN1+2 cable, 2x CAN SubD/P

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Antenna	IPE-ANT-004
	IPE-ANT-011