

Scalable datalogger for fleetmanagement and validation

- 4 CAN FD SIC Inputs
- Integrated 4G- / LTE-Modem, WiFi and GPS-receiver
- 4 Analogue Inputs
- 4 Digital Inputs
- Integrated accelerometer and gyro
- Protection class IP67
- Developed for harsh environments
- Softwaresupport starting with IPEmotionRT 2023 R2



Interfaces	
CAN HS (ISO 11898-2)	Yes
CAN FD	Yes
ETH (100 Mbit)	logger configuration or ETH-input
Analog input	4 x 0 ... 30 VDC @ 12 bit resolution; 1 % accuracy
Digital I/O	4/2
Ethernet interface to PC	Ethernet (100 Mbit)
USB 2.0 ports	No
USB 3.0 ports	1, max. current 900 mA
Driver display system	IPEmotion ME
Device	
Operating system	Linux (64 bit)
Processor	ARM i.MX8 M Plus Quad A53
RAM memory	4 GB eMMC 8 GB
Inputs	4 x CAN FD SIC
Performance Index	542
Data Transmission	Modem, WiFi, GPS
Data logger software	IPEmotion RT
Storage medium	MikroSD
Storage capacity	64 / 256 GB
Voltage supply	9 ... 36 VDC
Power consumption, typical	< 2.5 W
Working temperature range	-40 ... 70 °C (-49 ... 158 °F)
Storage temperature range	-40 ... 70 °C (-49 ... 158 °F)

IP-Code	IP 67 (ISO 20653 - 2013) (with closed top cover only)
Relative humidity	5 ... 95 %
Dimensions	B188 mm x H62 mm x T154 mm (7.40 in x 2.44 in x 6.06 in)
Weight	768 g (1.6 lb)
Protocols and traffic	
CCP / XCP on CAN	Yes
J1939	Yes
OBD	Yes
WWH-OBD	Yes
KWP on CAN	Yes
UDS / ODX / PDX	Yes
CAN-Traffic	Yes
ETH-Traffic	Yes
CAN-send	Yes
Software functions	
Configuration software	IPEmotion RT.UI
No Message Lost (NML)	No
Wake on CAN (WoC)	Yes (global for all inputs)
On board scripting	Yes
On board math & logic operations	Yes
File formats for data storage	ZIPRT, MDF4.0, MDF4.1, ASC
Wireless communication	
GNSS (Global Navigation Satellite System)	10 Hz (GPS/ GLONASS/ QZSS/ BeiDou)
WiFi	5 GHz (WiFi802.11 ac, kein 2.4 GHz)
Modem	4G (LTE) Mini-SIM (2FF)
IPEcloud / FTP-Server	Yes
Accessories	
System cable	620-735 ETH M12 D-Code cable RJ45
Input cable	666-539 IPE833 Input cable
Antenna	IPE-ANT-019
optional	IPE-ZUK-258 (battery 3350 mAh) IPE-ZUK-263 (battery 13400 mAh) IPE-ZUK-259 (USB Cover)