

# IPE833

Data Logger with 4 CAN FD Inputs

New

Available soon!



# IPE833

→ Small, rugged, and efficient: data logger for harsh requirements

The IPE833 is our latest fleet logging solution for applications with a lower channel count. Designed for the management of larger fleets or development projects with harsh conditions, the IPE833 is perfect for remote data transmission and fleet monitoring. Thanks to the combination of state-of-the-art CAN FD and a wide variety of CAN bus protocols, it is also well-suited for end-of-line vehicle validation.

- > 4 CAN FD inputs
- > Integrated modem, WiFi, GPS
- > 4 GB RAM
- > Working temperature range -40 ... 70 °C
- > Rugged enclosure (IP 67)
- > 64 GB internal storage
- > Economical, powerful ARM processor
- > Supports protocols CCP, XCP, J1939, OBD
- > Integrated accelerometer and gyro sensor
- > Configuration via IPEmotion RT

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If you have any further questions about the IPE833 or a specific application, our experts will be glad to assist you. Just send an e-mail to [sales@ipetronik.com](mailto:sales@ipetronik.com) or give us a call at **+49 7221 9922 222**.



Interfaces	
CAN FD	4x CAN FD (SIC in preparation)
Analog input	4x 0 ... 30 VDC @ 12 bit resolution; 1% accuracy
Digital I/O	4/2
Ethernet interface to PC	1x 100 Mbit
USB interface	1x 3.0, current limit 900 mA
Device	
Operating system	IPEmotion RT (IPEmotion 2023 R2 or higher)
Processor	ARM i.MX8 M Plus Quad A53
RAM	4 GB
Data logger software	IPEmotion RT
Storage medium	64 GB micro SD
Voltage supply	Nominal range: 9 ... 36 VDC
Power consumption, typical	< 2.5W
Working temperature range	-40 ... 70 °C
IP-Code	IP 67
Relative humidity	5 ... 95 %
Dimensions	W188 mm x H62 mm x D154 mm (7.40 in x 2.44 in x 6.06 in)
Weight	768 g (1.6 lb)
Protocols	
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	No
CAN-send	Yes
Software functions	
Configuration software	IPEmotion RT.UI (IPEmotion 2023 R2 or higher)
No Message Lost (NML)	No
Wake on CAN (WoC)	Yes
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)
WiFi	2.4 GHz / 5 GHz (WiFi 802.11 a/b/g/n/ac)
Modem	4G (LTE)
IPecloud / FTP-Server	Yes

