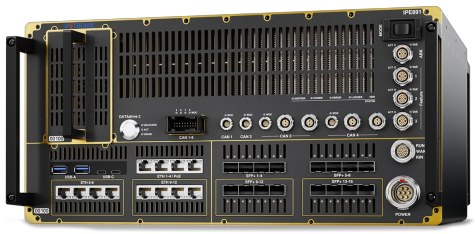
IPETRONIK

IPE891

Developed for the E/E System of the Future

- High performance INTEL XEON D plattform
- Developed for the validation of complex Ethernet vehicle network architectures
- Up to 256 GB RAM
- Up to 2 x 8 TB internal memory
- Slot for DATAdrive 2 (hot plug capable, up to 64 TB)
- Data transfer to the company network via a transfer station
- Configuration via Ipetronik software

preliminary



Interfaces	
CAN HS (ISO 11898-2)	Yes
CAN FD	Yes 8 x CAN-FD SIC CAN3 and CAN4 with powerswitch function
ETH (1 GbE)	Yes 4 x RJ45 | PoE 4 x Lemo (1 x ABK / 3 x Feature)
SFP+ (10 GbE)	Yes 8 x SFP+
FlexRay	Via FlexRay Satellite Interface
Analog input	No
Digital I/O	6 x Wake-inputs (openABK) 4 x Run-outputs (openABK)
Audio input / output	USB-Microphone
Ethernet interface to PC	Ethernet (1GBit)
Driver display system	openABK
Interface option 1	8 x CAN-FD SIC or 10 x LIN
Interface option 2	2 x 4 inputs RJ45 (1 GbE)
Interface option 3	2 x 4 inputs SFP+ (10 GbE)
Extender boxes	Via Satellite Interfaces ETH-Gateway V2
Interfaces	

Änderungen und alle Rechte vorbehalten. Nachdruck und Vervielfältigung, auch auszugsweise sind verboten!
Changes and all rights reserved. Reprinting and reproduction, even in part, are prohibited!
IPETRONIK GmbH & Co. KG • Phone: +49 7221 99 22 - 0 • Web: www.ipetronik.com • E-mail: info@ipetronik.com

USB 3.2-Interfaces	2x Typ A (5V / 2A) 2x Typ C (5V / 3A)
Device	
Operating system	Linux (64 bit)
Processor	INTEL XEON D
RAM memory	64 up to max. 256 GB
Performance Index	up to 20000
Data logger software	IPETRONIK-Software
Storage medium	m2.SATA
Storage capacity	internal memory 2 x 1/2/4/8 TB removable data storage: DATAdrive 2: up to 64 TB
Voltage supply	8 ... 36 VDC
Power consumption, typical	ca. 200 W (depending on the configuration)
Working temperature range	-40 … 176 °F (-40 … 80 °C)
Storage temperature range	-40 … 176 °F (-40 … 80 °C)
IP-Code	IP 30 (ISO 20653 -2013)
Relative humidity	5 ... 95 %
Dimensions	W15.35 in x H8.27 in x D13.78 in (B390 mm x H210 mm x T350 mm)
Weight	ca. 21,6 lb without DATAdrive 2 (ca. 9.8 kg ohne DATAdrive 2)
Protocols and traffic	
CCP / XCP on CAN	Yes
J1939	Yes
OBD	Yes
WWH-OBD	Yes
KWP on CAN	Yes
UDS / ODX / PDX	Yes
XCP on ETH	Yes
FlexRay / XCP on FlexRay	Yes
openABK	Yes
SOME IP	Yes
FlexRay-Traffic	Yes
CAN-Traffic	Yes
LIN-Traffic	Yes

Änderungen und alle Rechte vorbehalten. Nachdruck und Vervielfältigung, auch auszugsweise sind verboten!
Changes and all rights reserved. Reprinting and reproduction, even in part, are prohibited!
IPETRONIK GmbH & Co. KG • Phone: +49 7221 99 22 - 0 • Web: www.ipetronik.com • E-mail: info@ipetronik.com

ASAM CMP	Yes, including PLP, TECMP
DLT	Yes
Software functions	
Configuration software	IPETRONIK-Software
No Message Lost (NML)	Yes
Wake on CAN (WoC)	Yes
Wake on LIN (WoL)	Yes
Wake on FlexRay (WoFR)	Yes
On board scripting	Yes
On board math & logic operations	Yes
File formats for data storage	ZIP, BLF, AVI, WAV, MDF4.x, ASC, PCAP, PCAPNG, DLT
Wireless communication	
WiFi	external via ETH
Modem	external via ETH
IPEcloud / FTP-Server	Yes
Video	
IP-camera (Real Time Streaming Protocol)	AXIS, BASLER, LINKSYS, etc… / MJPEG stream
USB Video Class (UVC)	All cameras with MJPEG format
Accessories	
System cable	666-543 IPE891-PWR cable open
Input cable	666-544 IPE891 Control-IO cable open

Änderungen und alle Rechte vorbehalten. Nachdruck und Vervielfältigung, auch auszugsweise sind verboten!
Changes and all rights reserved. Reprinting and reproduction, even in part, are prohibited!
IPETRONIK GmbH & Co. KG • Phone: +49 7221 99 22 - 0 • Web: www.ipetronik.com • E-mail: info@ipetronik.com