

Data Logger CCA 9002

Data Sheet

The CCA records the data stream in the communications network of a vehicle and processes this data, e.g. by saving it onto a removable data storage and, if desired, by streaming it to a connected PC. It can be operated at temperatures from **-20° C to +65° C** (type CCA 9002 HT).



Front view: Removable data storage and data outputs



Rear view: Data inputs (configuration example)



INNOVATION IS ORANGE

CCA 9002 basic system

Operating voltage	Nominal: DC 12 V Range: DC 9 V ... 18 V, crank safe
Supply current (at DC 12 V)	Nominal value: 5 A Sleep mode: < 2 mA Maximum value: 7 A
Operating temperature (no condensation moisture)	-10° C ... +50° C (type CCA 9002) -20° C ... +65° C (type CCA 9002 HT)
Interfaces	4 x Gbit Ethernet, RJ45 switch 10 x CAN (HS) 4 x switchable to CAN-FD 1 x switchable to CAN (LS) 2 x FlexRay, 4 x LIN, 5 x RS232, 4 x Digital I/O, 6 x Analog in, 2 x USB 3.0 host 1 x Gbit Ethernet (PC connection) 1 x CCA Control 1 x CCA data storage port 1 x CCA TS Expandable by Capture Units.
Data storage	Removable, easy to change
Dimensions (H x W x D)	100 x 273 x 271 mm
Weight (without removable data storage)	4.3 kg (type CCA 9002) 4.6 kg (type CCA 9002 HT)
Housing material	Powder-coated aluminium, protective borders of silicone rubber
Data recording rate	Up to 4 Gbit/s for lossless continuous recording
Timestamp	Synchronous for all buses 100 ns resolution, 1 µs accuracy
Wake-up functionality	Via CAN, FlexRay, Digital-in
Wake-up time	< 100 ms (for CAN, FlexRay, RS232) < 20 s (full functionality)
Formats of recording files	PCAP, VPCAP, MDF4, ADF-DAT
Protocols	Autosar-DLT, SOME/IP, gPTP, Mobileye TAPI, XCP over TCP, IP Camera (RTSP/RTP)
Data download	Via HTTP and SMB (up to 90 MB/s)
Additional features	Configuration via web interface LUA scripting Plug-in for Eberspächer Caromee and ADF, others on request Triggered recording with lead and follow-up time WiFi (option via USB)

Add-ons: Capture Units (CU)

Capture Units are plug-in modules for expanding the number and type of interfaces of the CCA basic system. The CCA 9002 basic system has five free slots suitable for the following CUs:

CU ETH-1G	4 x 1 Gbit Ethernet, RJ45 switch
CU ETH-OABR	5 x 2 Single PHY passive sniffer pairs, constant latency (1.4 µs), 1 x optional switch to MAC with TCP/IP stack
CU CFR	8 x CAN (HS) 1 x switchable to CAN (LS) 2 x FlexRay 5 x RS232
CU LVDS	CU LVDS-934 Other deserializers on request.

Removable data storages

A variety of removable data storage models is suitably:

Gross storage capacity weight	S2000-I: 1.92 TB 0.6 kg S4000-I: 3.84 TB 0.8 kg S8000-I: 8.00 TB 1.0 kg S16TB-I: 15.20 TB 1.0 kg
Components	Four SSDs in RAID
Dimensions (H x W x D)	24.4 x 80.6 x 245.0 mm
Housing material	Anodized aluminium



Removable data storage S16TB-I

The CCA 9002 is a project-specific development. The certificate of conformity in accordance with the CE directives is sought.