ViGEM

DATA SHEET
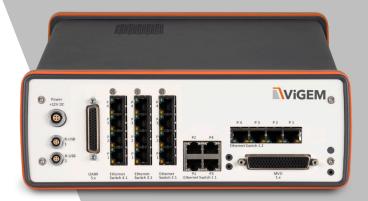## DATA LOGGER CCA 9003

Front view: Data outputs

The robust and reliable data logging solution CCA 9003 enables the continuous or triggered recording of raw data from cameras, radar and laser sensors as well as data from all automotive standard buses. The mobile devices can be used in test vehicles, in laboratories and on the test bench.

The modular architecture of the tailored data loggers consist of up to five Capture Units of eight different variants enabling future applications to be individually adapted. Depending on your requirements, ports and connections for Ethernet, USB, etc. are configured project-specific on the rear side of the CCA 9003.

We are pleased to develop customized solutions for an optimum connection to your vehicle wiring.

Rear view: Data inputs
(configuration example)

EVERY BIT COUNTS.

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DATA LOGGER CCA 9003 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: < 5 mA Maximum value: < 8 A
Operating temperature (no condensation moisture)	-10° C ... +50° C -20° C ... +65° C (on request)
Interfaces (logging)	2 x 2 port 1000Base-T Ethernet switch (RJ45) 10 x 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, expandable by Capture Units.
Interfaces (others)	2 x USB 3.0 host 1 x Gbit Ethernet (PC connection) 1 x CCA Control 1 x CCA TimeSync
Data storage	Removable, easy to change
Dimensions (H x W x D)	100 x 273 x 271 mm
Weight	4.6 kg (without removable data storage)
Housing material	Powder-coated aluminium, protective borders of silicone rubber
Data recording rate	Up to 6.4 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)
Protocols	Autosar-DLT, SOME/IP, gPTP, Mobileye TAPI, XCP over TCP, IP Camera (RTSP/RTP)
Formats of recording files	PCAP, VPCAP, MDF4
Data download	Via HTTP and SMB (up to 90 MB/s)
Additional features	Configuration via web interface LUA scripting Triggered recording (with lead and follow-up time) WiFi (option via USB)
Removable data storage modules	A variety of removable data storage models is available. For more information, see the separate data sheet „Removable data storage CCA Sxxxx-I"
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 9003 basic system has five free slots suitable for CUs. For more information, see the separate data sheet „Capture Units".

* 4 x CAN FD and 6 x CAN for variants with FRR interface.

Parameters and specifications are subject to change without notice and may vary due to necessary modifications and/or upgrades.

The certificate of conformity in accordance with the CE directives is sought.