

Network Router

The Network Router of Sioux Logena is designed to reduce CAN-bus loads, by making it possible to split your CAN-bus in multiple CAN-bus networks.

Nowadays, we often see an increase in CAN-bus Loads, caused by an ever growing number of Electronic Control Units in vehicles and their need of information exchange.

The Network Router communicates unchanged CAN messages through a high speed LAN connection to other routers. By making use of a build-in CAN messages matrix, each router knows the predetermined destination of each CAN message that needs to be gated.



Knowledge and expertise

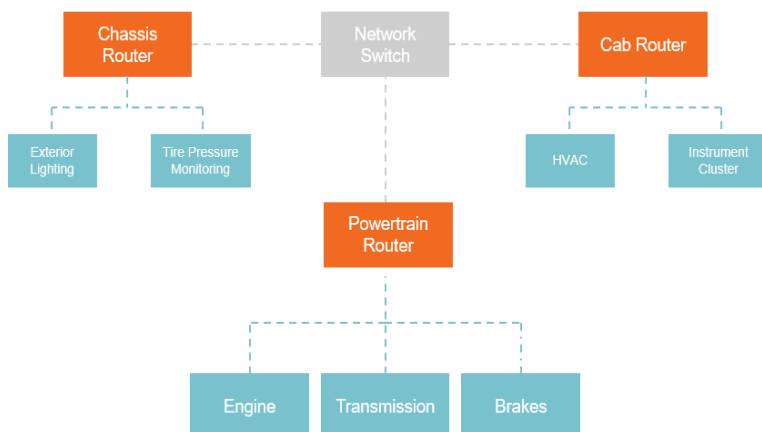
Sioux Logena is specialised in developing and integrating software and hardware applications in the automotive industry. With our expert knowledge, Sioux Logena is the technical partner of leading companies in the market. Also specific products like the Logena Tachograph Replacement Unit and a Door Control Unit, help us to support our clients.

Connections

- Analogue & digital I/O
- USB 2.0
- 2x CAN
- 1x LAN

Features

- High Speed LAN to CAN gateway
- Extensive CAN message logging
- Real-time data traffic monitoring
- Web-based management interface
- Reduces the CAN-bus loads



Technical Specifications

Specifications

Product name	Network Router
Sioux Logena part number	1000709

Hardware characteristics

Environmental protection class	IP65
Operating temperature range	-40 to + 75 °C
Storage temperature range	-40 to + 85 °C
EMC specification	In compliance with Regulation 10, rev. 3 (VN) Up to 200 V/m
Dimensions	200 x 28 x 150 mm (L x W x H)

System

CPU	ARM 32-bit Cortex, 168 MHz
Software	Web-based configurator
Protocols	CAN-TP J1939 TCP/IP Custom protocols

Power supply

Operating supply voltage range	8 - 16 V DC
Overcurrent protection	Yes
Reverse Voltage protection	Yes

Communication bus systems characteristics

User side	USB 2.0
Vehicle side	2x CAN v2.0b

Inputs / Outputs

Digital inputs	8x (Low: 0 - 10% UBatt, High: 90 - 100% UBatt)
Analogue inputs	2x (Voltage range: 0 - 5 V)
Digital outputs	8x (Voltage range: Low: 0% UBatt, High: 100% UBatt, Max. Output current: 1A)
PWM outputs	2x (Voltage range: Low: 0% UBatt, High: 100% UBatt, Max. pulse output current: 1A)