

J1939 Interface Module

SAE J1939/CAN channel
at 250/500 Kbps



OVERVIEW

The MobileView® J1939 Interface Module is a high-performance, low latency SAE J1939 to RS232 gateway converter capable of exchanging data at 250 Kbps or 500 Kbps auto-selectable. The converter allows compatible recorders to listen, respond and share information between systems over the J1939 vehicle network.

Through a specialized application interface, the J1939 Interface Module manages communications between the recorder and the vehicle systems. The interface is customizable and enables the two-way exchange of command/response queries relating to device status, and other important data.

STANDARD FEATURES

- SAE J1939 to RS232 gateway
- SAE J1939/CAN channel at 250 Kbps or 500 Kbps auto-selectable
- J1708/J1587 Legacy Support
- RS232 at 115,200 baud
- Internal message buffering
- 40 message filters
- Collision detection, with automatic retries
- Lightweight plastic enclosure
- Active and listen-only modes
- Field Programmable

SAE J1939 Capabilities

- Full on-chip SAE J1939 protocol support
- Full support of the SAE J1939/21 transport protocol
- Full support of the SAE J1939/81 network management (address claiming)

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Specifications

Physical

Recorder Connection	P3 Connector (DB-9 Female on Converter) RS-232
P3, Pin 1 / DB9, Pin 2	Tx
P3, Pin 2 / DB9, Pin 3	Rx
P3, Pin 4 / DB9, Pin 5	Gnd
J1939 Connection	P2 Molex Connector (DB-15 Female on Converter) CAN Bus
P2, Pin 1 / DB15, Pin 13	CAN "H" (High)
P2, Pin 2 / DB15, Pin 7	CAN "S" (Shield)
P2, Pin 3 / DB15, Pin 12	CAN "L" (Low)
J1939 Connection	P2A Molex Connector (DB-15 Female on Converter) J1708
P2A, Pin 1 / DB15, Pin 10	J1708+
P2A, Pin 3 / DB15, Pin 11	J1708-

Electrical

8-35VDC Input, 0.5W max	P1 2 Position Molex Connector
P1, Pin 1 / DB15, Pin8	Power
P1, Pin 2 / DB15, Pin 6	GND
Additional Features	All communications lines feature 8kV or higher IEC ESD protection

Functional

CAN	250 Kbps or 500 Kbps auto-selectable
RS-232	115kbps

Environmental

Dimensions (WxDxH)	5.130 x 2.845 x 1.107 in
IP Rating	IP53
Temperature Rating	-40°C to +85°C

Ordering Information

MSS-1939-00-08-KT	J1939-1708 Model 8 Converter Kit (Includes Unterminated Harnessing and Connectors)
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Dimensional Diagrams

