RedLion®
BY HMS NETWORKS

Graphite® J1939 Protocol Module

Item number: GMJ19390

The Graphite J1939 protocol module adds J1939 protocol capability to your HMI easily and cost-effectively. Seamless configuration using desktop software, converts over 300 industrial protocols. All-in-one solution with no external power required. Ideal for a wide range of industrial applications.

Seamlessly integrate Graphite® HMIs into J1939 protocol networks

Features and benefits

✓ **Communicates with J1939 devices**

Add a J1939 communication gateway to your Graphite host device without additional gateways, devices or power sources. An all-in-one solution that upgrades your system easily and quickly at low cost.

✓ **User-friendly Crimson® configuration software**

Easily programmable interface powered by Crimson® configuration software using drag-and-drop functionality.

✓ **Built-in termination resistor**

A built-in termination resistor is selectable through a switch.

✓ **LED status indicator**

A green/red status LED provides information about module status, including startup routine and error states.

✓ **Industry certified**

CE, ATEX, IECEx, UKEX and Class 1, Division 2 approvals for hazardous locations. ABS type approval for shipboard applications.

✓ **Seamless and simple J1939 protocol conversion**

Built-in protocol conversion makes it easy to integrate Graphite series HMI operator interface with J1939 protocol networks. Conversion support between J1939 and over 300 different industrial protocols.

✓ **Digital isolation function**

Built-in digital isolation protects the host device from the J1939 bus and vice versa.

✓ **Easy to connect and remove**

Easy plug-in and removal of the module via proprietary USB connection.

✓ **Rugged and reliable in industrial environments**

Durable metal construction. Operating temperature of -40 °C to 75 °C.

✓ **Powered by host device**

Simple deployment with no external power supply needed. Maximum power is 1.2 W.

Graphite® J1939 Protocol Module

General

Net Weight (g)	0.01
Packed Width (mm)	149.225
Packed Height (mm)	79.375
Packed Depth (mm)	168.275
Packed Weight (g)	227.01
Relative Humidity	85% max relative humidity, non-condensing
Power Consumption (W)	0
Maximum Installation Altitude (m)	2000
Mounting	Wall mount
Housing Materials	Metal Housing
Packaging Material	Cardboard
Warranty (years)	2

Identification and Status

Product ID	GMJ19390
Country of Origin	United States of America (the)
HS Code	8538909999
Dual Usage	No
Export Control Classification Number (ECCN)	EAR99

Physical Features

SD Card Slot	No
Flash Drive	No

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Physical Features

Contains Battery	No

Certifications and Standards

RoHS Compliant	Yes
CE	Yes
FCC	No
UKCA	No
UL	Yes
ATEX	Yes
DNV	No
KC	No