

# M-FLEX ISOLATED CAN BRIDGE

M-Flex Isolated CAN Bridge is a two-channel CANbus bridge for interconnecting two CANbus networks with power isolation, and is built to withstand the harsh temperatures, shock and vibration, moisture and electrical transients that are common to these environments.



M-Flex CAN Bridge Modules are typically used for construction, agriculture and turf care equipment, utility and power sports vehicles, marine, military, outdoor power equipment and similar harsh environment applications.



## FEATURES

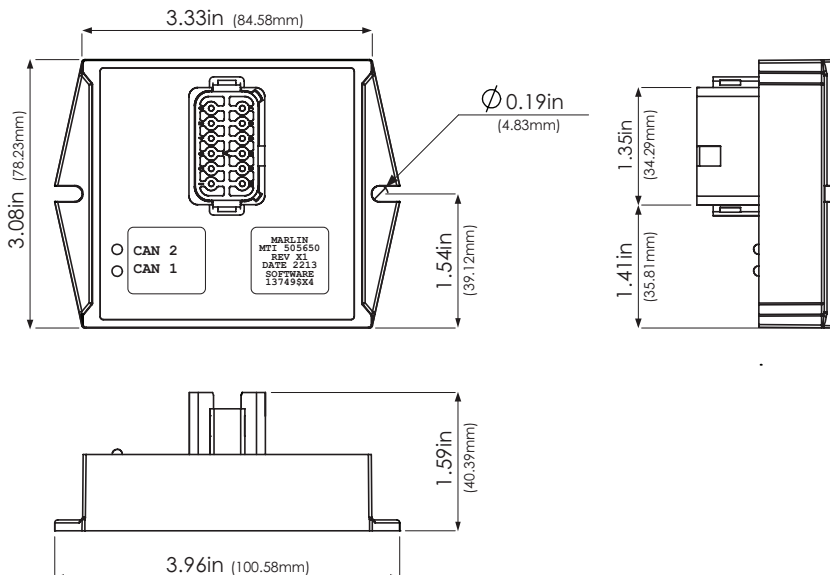
- Designed for severe duty, outdoor mobile applications.
- Two CANbus for bridging between two networks.
- Galvanic isolation between the 2 CAN network power supplies.
- Designed for 12V and 24 V applications.
- Operate as a bridge and node simultaneously.
- Each channel configurable for 250, 500, 1000 Kbps.
- Each channel has 40 filters to pass or block messages based on entire CAN ID, J1939, or J1939 Source Address.
- Two diagnostic LEDs for CAN bus power and communication status.
- Beacon indicator for identifying bridge module when multiple bridges used on a network
- Fully encapsulated electronics for complete environmental protection.
- Deutsch DT style connectors.
- IP67 rated and IP69K (with appropriate boot)
- RoHS compliant.
- User configurable software tool provided by Marlin.

## SPECIFICATIONS

Specifications subject to change without notice. \ Revised 08.22

<b>Supply Voltage</b>	8-36VDC operating range, reverse polarity protected
<b>Baud Rate</b>	Auto detection for 250/500/1000 kbps
<b>CAN Protocol</b>	SAE J1939 CAN 2.0A and 2.0B compliant
<b>CAN Channels</b>	2 Channel bridge for connecting 2 CANbus networks
<b>Connectors</b>	Deutsch DT15-12PA
<b>Mounting</b>	(2) M6 or 1/4" screws (6.35mm screws)
<b>Ingress Protection</b>	IP67 rated and IP69K with appropriate boot)
<b>Operating Temperature</b>	-40C to 85C
<b>Storage Temperature</b>	-40C to 85C
<b>Weight</b>	5.5 oz
<b>Packaging</b>	3.0"W x 3.0"L x 0.87"H (76.2mm x 76.2mm x 22.1mm) Noryl enclosure with mounting tabs, fully encapsulated

## DIMENSIONS



For a detailed specification visit  
[marlintech.com/m-flex](http://marlintech.com/m-flex)

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