KVASER AIR BRIDGE LIGHT HS M12

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The Kvaser Air Bridge Light HS M12 is a configuration-free wireless CAN bridge that uses a dust and water-tight M12 connector to connect CAN networks.

Comprising a preconfigured pair of plug-and-play units, with integrated antennas and rugged housings, the Kvaser Air Bridge Light HS M12 ensure the rapid exchange of raw CAN data in situations that make wired connection unsuitable or challenging, such as CAN cabling that experiences high mechanical stress in harsh environments.

Warranty
2-year warranty. See our General Conditions and Policies for details.

Support
Free support for all products by contacting info@gmga.vn.

Major Features

- IP67-rated M12 connector on each unit; dust and water-resistant.
- IP65-rated aluminium housing, suitable for fixed outdoor installations.
- 2.4 GHz proprietary protocol. Internal antenna design, antenna output power max 18 dBm.
- Automatic baud rate detection (125K, 250K, 500K, 1M).
- Supports both 11-bit (CAN 2.0A) and 29-bit (CAN 2.0B active) identifiers.
- High-Speed CAN connection (compliant with ISO 11898-2), up to 1 Mbit/s.· Plug and play, driver-free, and configuration-free.
- Power supplied through the CAN bus interface.
- Compatible with J1939, CANopen, NMEA 2000® and DeviceNet.
- Extended operating temperature range from -40 to +70 °C.

Technical Data

Antenna Output Power	Max 18 dBm approx.
Antenna Type	Internal Antenna
CAN Bit Rate	Autobaud at 1 Mbit/s, 500 Kbit/s, 250 Kbit/s and 125 Kbit/s
CAN Channels	1
CAN Transceivers	TJA1051T
Casing Material	Aluminium
Connector	M12 5-pin
Current Consumption	Approx. 2W
Dimensions	30 x 151 x 17 mm
Frequency Range	2.405 GHz to 2.477 GHz
IP Class	IP65
Operating Temperature Range	-40 °C to +70 °C
Packet Latency	Approx. 4.8ms
Weight	200g
Wireless Communication	2.4 GHz Gaussian Frequency-Shift Keying (GFSK) with Frequency Hopping Spread Spectrum (FHSS) modulation

Software

Documentation, Kvaser CANlib SDK and drivers can be downloaded for free, please contact us for assistance.

Kvaser CANlib SDK is a free resource that includes everything you need to develop software for the Kvaser CAN interfaces. Includes full documentation and many program samples, written in C, C++, C#, Delphi, Visual Basic, Python and t programming language.

Kvaser CAN hardware is built around the same common software API. Applications developed using one device type will run without modification on other device types