



## KVASER AIR BRIDGE LIGHT HS M12

EAN: 73-30130-01141-0 | 73-30130-01148-9 (FCC)

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 [support@kvaser.com](mailto:support@kvaser.com).

## 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.

## Software

Documentation, Kvaser CANlib SDK and

drivers can be downloaded for free at [www.kvaser.com/downloads](http://www.kvaser.com/downloads).

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

## Technical Data

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