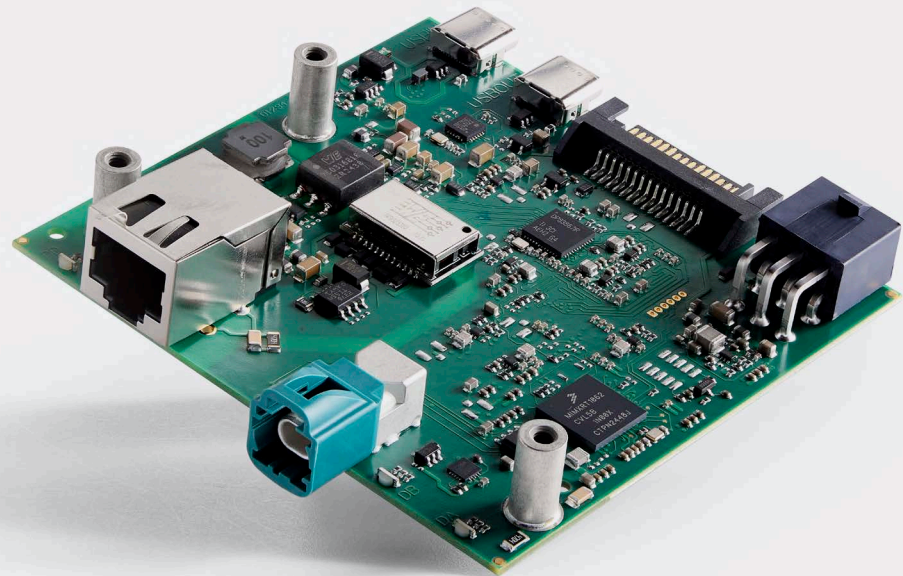
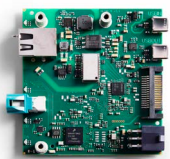





See more products




## Your reliable connection to Automotive Ethernet networks

Kvaser Arcus 100/1000BASE-T1 H-MTD is a high-performance Automotive Ethernet media converter designed to simplify access to vehicle networks. It provides fast and reliable full-duplex conversion between Automotive Ethernet 100/1000BASE-T1 and Standard Ethernet 100/1000BASE-T, making it suitable for lab testing, in-vehicle development, ECU debugging, traffic monitoring, and system start-up workflows. Its transparent media conversion architecture enables efficient communication between Automotive Ethernet and standard Ethernet networks during development and validation.

Designed for embedded systems, it can also be installed in standard PCs using the Kvaser ATX Bracket (EAN 73-30130-01811-2). For bench-top or portable use, select the Kvaser Housing (EAN 73-30130-01813-6).

 **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)

 **EAN**  
73-30130-01810-5

## Major Features

- Flash ECUs over Automotive Ethernet (DoIP or IP/Ethernet stacks), bridging the vehicle's Ethernet bus to a developer laptop or server.
- Evaluate how an ECU behaves under specific link conditions by injecting packets to test reliability and compliance.
- Use during development of Ethernet-enabled ECUs or gateways as a media bridge for debugging and logging traffic.
- Serves as an Ethernet connection point during cybersecurity testing to inspect secure traffic or test resistance to MAC-level injection attacks.
- Simulates unavailable ECUs in a partial network using applications.
- Connects to a data logger or test PC to monitor Automotive Ethernet traffic from a running development vehicle.
- Enables test of early-boot communication between ECUs and bootloaders over Automotive Ethernet.
- Complies with the requirements of R155/ISO 21434 and CRA/IEC 62443.
- Supports Secure Boot: only signed and encrypted firmware will run on the device, ensuring that the unit has not been tampered with.
- Supports TC10 for Automotive Ethernet 100/1000 BASE-T1 for wake up and sleep functionality.

## Technical Data

<b>Dimensions</b>	81 x 85 x 20 mm
<b>Ethernet Channel 1</b>	100/1000BASE-T, RJ45 8p8
<b>Ethernet Channel 2</b>	100/1000BASE-T1, H-MTD Key Z
<b>Operating Temperature</b>	-40 to +85 °C
<b>Power consumption</b>	Using PoE: 2.5W, PCIe/SATA: 1.5W and USB: 250mA
<b>Power input</b>	PoE, USB 2.0, EATX, 15 pin SATA
<b>Regulatory Compliance</b>	CE, FCC
<b>Relative humidity</b>	0% to 85% (non-condensing)
<b>Secure Boot</b>	Yes, runs only signed and encrypted firmware
<b>TC10 support</b>	Yes, for 100/1000 BASE-T1
<b>USB IN</b>	USB 2.0 Type-C
<b>USB OUT</b>	USB 2.0 Type-C
<b>Weight</b>	50 g

Two accessories for Kvaser Arcus 100/1000BASE-T1 H-MTD: Kvaser ATX Bracket (EAN 73-30130-01811-2) for installation in standard PCs and Kvaser Housing (EAN 73-30130-01813-6) for bench-top or portable use.

