

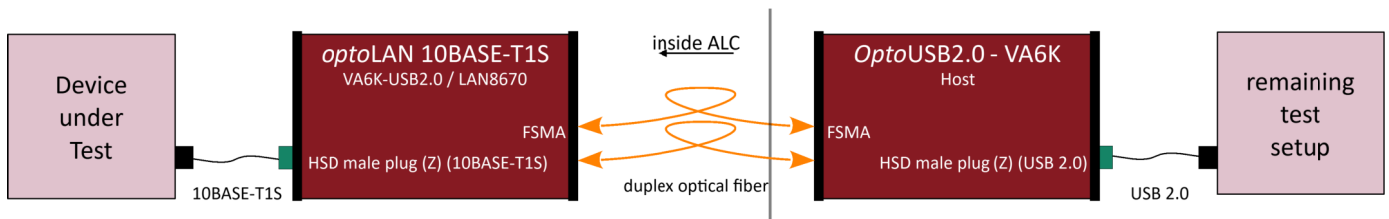
## Field of application and characteristics

The **optoLAN 10BASE-T1S LAN8670 (USB-VA6K)** system is a bidirectional optical transmission device that converts data between USB 2.0 and automotive Ethernet 10BASE-T1S (i.e. media converter from USB to automotive Ethernet).

It consists of two battery supplied devices connected to each other with an optical fiber. With the optical transmission and the shielded case, the system is well equipped for EMI and EME tests.



## Application



## Technical data

Channels:	1x USB2.0 to 10BASE-T1S
Data rate:	10 Mbps
Data direction:	bidirectional
Signal I/O:	HSD
Power supply:	with batteries 4 Ah, consisting of 10 NiMH cells, integrated inside aluminum case, operating time with fully charged batteries: approx. 8 h
Case dimensions:	136 mm x 86 mm x 85 mm; light alloy with rubber protection (only on bottom side)
Weight:	approx. 1200 g
Misc.:	optional external battery pack / supply available

## Optical fiber

Connector / Type: FSMA / duplex multimode fiber 62.5/125 µm

## Options

- 10 cell external power pack (4Ah or 10Ah) for run time enhancement
- various adapter cables and confectioned/customized solutions
- push pull charge connector (advantage: save setup time)
- for further information please contact our colleagues from the sales team