

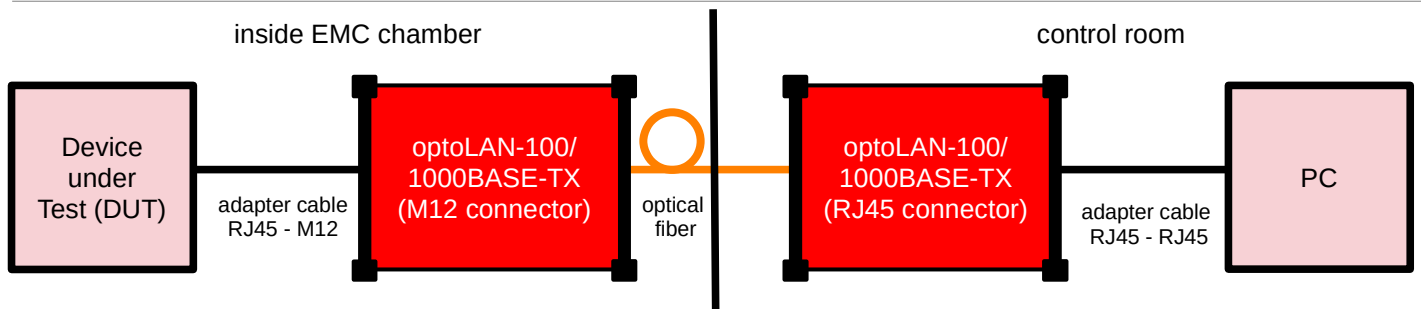
Field of application and characteristics

The **optoLAN 100/1000BASE-TX** system can be used for the optical transmission of standard Ethernet signals (PC) with up to 1 Gbit/s (1000BASE-TX). It is downward compatible to 100BASE-TX (automatically detected, auto negotiation counterpart necessary).

The two transceivers are supplied by internal batteries and connected with an optical fiber. With the optical transmission, the special M12 8 pole connector with adapter cable and the shielded case, the system is well equipped for EMI and EME tests.



Application



Technical data

Channels:	standard Ethernet, BASE-TX (1 channel)
Data rate:	up to 1000 Mbit/s, downward compatible to 100 Mbit/s (auto negotiation necessary)
Data direction:	bidirectional
Input:	device in the EMC chamber: M12 8 pole with according adapter cable to RJ45
Output:	device in the control room: RJ45 standard Ethernet connector
Power supply:	built-in batteries, 4 Ah, consisting of 5 NiMH cells aluminum case, operating time with fully charged batteries: approx. 10 h
Case dimensions:	135 mm x 86 mm x 65 mm; aluminium with rubber protection
Weight:	approx. 800 g

Optical fiber

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

Options

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