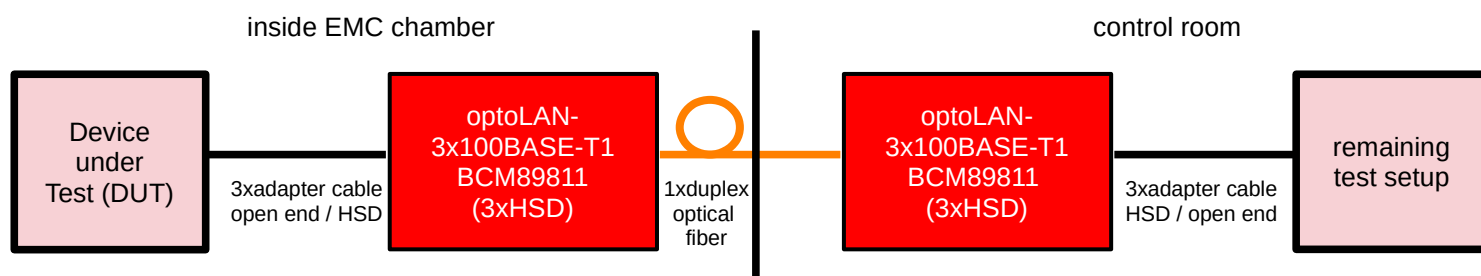## Field of application and characteristics

For test setups with many network interfaces we can offer *opto*LAN devices as multichannel systems. The *opto*LAN 3x 100BASE-T1 BCM89811 has three independent 100BASE-T1 channels in one standard housing and uses the Broadcom© chipset BCM89811©. The advantage: Saves costs, time, and space for the test setup.

The standard connector is Rosenberger HSD (Z-coded). With the optical transmission, the shielded case and the high quality connector, the system is well equipped for EMI and EME tests and has proven its functionality in many automotive EMC labs already.

Application

inside EMC chamber | control room

| Device under Test (DUT) | → 3xadapter cable open end / HSD → | optoLAN-3x100BASE-T1 BCM89811 (3xHSD) | 1xduplex optical fiber | optoLAN-3x100BASE-T1 BCM89811 (3xHSD) | → 3xadapter cable HSD / open end → | remaining test setup |

Technical data

Channels:	3 channels
Data rate:	up to 100 Mbit/s
Data direction:	bidirectional
Input:	3x Rosenberger HSD Z
Output:	3x Rosenberger HSD Z
Power supply:	integrated batteries 4 Ah, consisting of 5x NiMH cells, operating time with fully charged batteries: approx. 10 h
Housing:	aluminum case with rubber feet 135 mm x 86 mm x 65 mm
Weight:	approx. 800 g
Optical connector:	2x FSMA / 1x duplex multimode fiber 62.5/125 µm

Options

- 5 cell external power pack (4A h or 10 Ah) for run time enhancement
- various adapter cables and customized solutions
- push-pull charge connector (advantage: save setup time)
- integrated media converter (T1 to TX)
- 19" housing with up to 13 different optical devices integrated

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mk ••messtechnik
EMC Test and Measuring Systems

mk-messtechnik GmbH
Zeppelinstrasse 1
73274 Notzingen - Germany

Tel.: +49 7021 92807-00
Fax: +49 7021 9566926
E-Mail: sales@mkemc.com