



- Autodetect: 100Base-T1, 1000Base-T1
- up to 200 m
- EMC immunity 200 V/m up to 18 GHz

foBroadR-Reach

BroadR-Reach technology is an Ethernet physical layer standard designed for automotive connectivity applications. BroadR-Reach technology enables multiple in-vehicle systems to simultaneously access information over unshielded single twisted pair cable.

The BroadR-Reach standard was originally introduced by Broadcom. In addition to Broadcom, NXP and Infineon also provide chip sets and Phy (88Q2112). The Infineon version used in our converters is compatible with NXP and Broadcom solutions.

In order to facilitate connection to a PC the converter additionally supports regular STP connectors.

FEATURES:

- RF-Immunity:
 - Antenna radiated 200 V/m, 200 MHz – 18 GHz, ISO11452-2, CW, AM, PM
 - Stripline 200 V/m, 10 – 1 GHz, ISO11452-5, CW, AM, PM
- Emission: EMC compliant to CISPR25 Class 5, 150 k – 4 GHz
- Battery (up to 30 h hours operation)
- Compact metal housing
- No galvanic connection between test equipment and measurement instrument
- ACK and network speed indication
- On Request: a special version with 4 x Ethernet ports is available
- Continuous operation with external 12 V / 2 A power supply possible

ACCESSORIES:

standard:

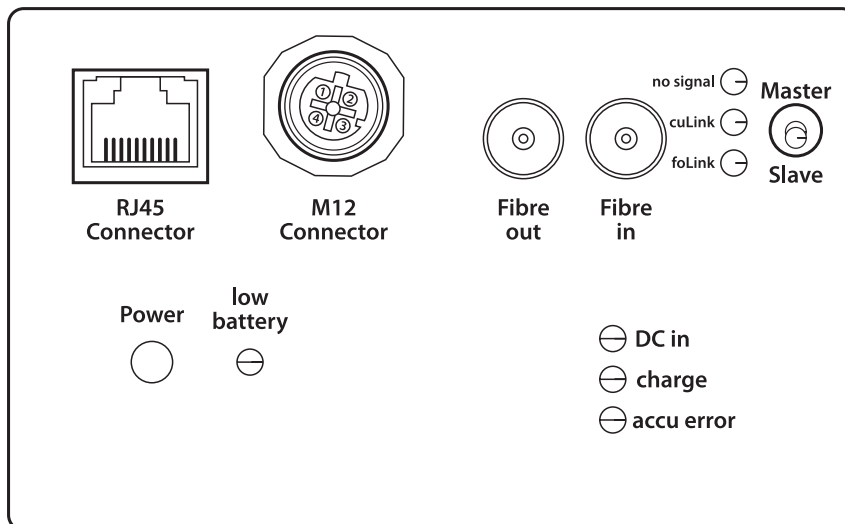
- One set consists of two converter units
- All interfaces are shipped with the appropriate power supply or battery and charger.

optional:

- Fibre optic cables: variable lengths ST/FSMA-connector or ST/ST-connector
- FO-Patches (Feed Through wall Patches)

TECHNICAL DATA

Data signaling rate	100 MBit/s: 100BASE-T1 1 GBit/s: 1000BASE-T1 both units must run at the same speed!
Data transfer direction	full duplex
Connector	1x Ethernet port RJ45 / Rosenberger MA-D4V019 4 x Ethernet ports version on request available
Electrical cable type	DACAR 676
Fibre optic connection	FST
Fibre optic cables	multimode duplex fibre, 50/125 µm
Maximum fibre length	up to 300 m
Wavelength	1300 nm
Charging input	12VDC, 2A
Operating temperature	0 °C / +40 °C
Operating humidity	20 to 85 % RH
Weight per converter	0.7kg
Housing	passivated aluminium, stainless steel, 2 mm
Dimensions per Converter:	105 x 125 x 65 mm (LxWxH)



Prices and specifications are subject to change without notice! For more details see manual.

PONTIS
EMC PRODUCTS
A BRAND OF AUDIOVO

PONTIS EMC Products designed and manufactured by:

Audiovo GmbH
Irrenloher Damm 30
92521 Schwarzenfeld
Germany

Phone +49(9435) 54 19-0
Fax +49(9435) 54 19-19
info@audiovo.com
www.audiovo.com

You can contact directly our local partners for sales and technical support



www.hvtechnologies.com



india@pontis-emc.com



zongkui.shao@pontis-emc.com