



- Autodetect: 10Base-TX, 100Base-TX, 1000Base-T
- >100 m due to fibre optic cables
- 4 x port version available
- EMC compliant to CISPR 25, Class5

foEthernet

In complex testing environments, it is often necessary to transmit electrical signals into or out of the test chamber to connect with the test equipment.

For this purpose, we offer a variety of interfaces that convert electrical signals into optical signals and vice versa. Through this conversion, signals are transmitted via fibre optics, making them immune to electromagnetic fields.

A sophisticated shielding and filtering concept ensures that the interfaces are highly immune against radiation and do not emit any significant interference.

FEATURES:

- RF-Immunity:
 - Antenna radiated 200 V/m, 200 MHz – 18 GHz, CW, AM, PM
 - Stripline 200 – 600 V/m, 10 kHz – 1 GHz, CW, AM, PM
- Emission: EMC compliant to CISPR25 Class 5, 150 k – 4 GHz
- Battery (up to 30 hours operation)
- Compact metal housing
- No galvanic connection between test equipment and measurement instrument
- ACK and network speed indication
- 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-TX, IEEE 802.3 Clause 25 (IEEE 802.3u) 1 GBit/s: 1000BASE-T, IEEE 802.3 Clause 40 (IEEE 802.3ab)
Data transfer direction	bidirectional
Connector	1x Ethernet port RJ45 4 x Ethernet ports version available
Electrical cable type	shielded twisted pair cable: CAT.6, 100 Ohm, RJ45 - RJ45
Fibre optic connection	FST
Fibre optic cables	multimode duplex fibre, 50/125 µm
Maximum fibre length	>100 m due to fibre optic cables
Wavelength	1300 nm
Charging input	12 VDC, 2 A
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
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A BRAND OF AUDIOVO

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