



Data Sheet

NETLion BR EN

Network TAP & Media Converter
BroadR-Reach® – 100BASE-TX

NETLion is a development tool for BroadR-Reach® networks. It supports the user for logging and analyzing of data traffic or converts BroadR-Reach® physics to 100BASE-TX Ethernet.

Operating Mode *Dual Media Converter*

Up to two BroadR-Reach® Signals are converted to 100BASE-TX Ethernet which is common in the IT area.

Operating Mode *Network TAP*

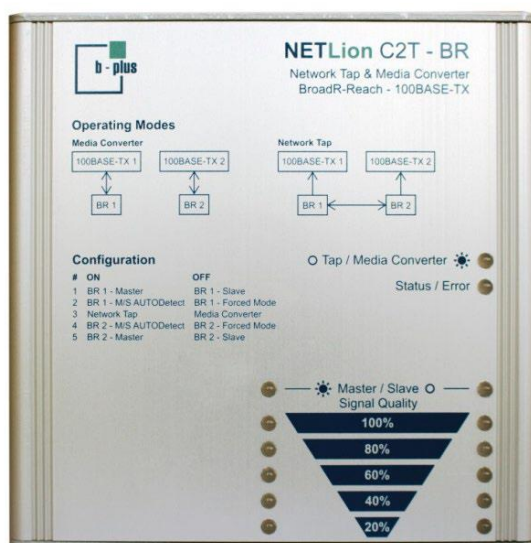
During the operating mode *Network TAP* data is decoupled of both BroadR-Reach® line ends and transmitted on the two 100BASE-TX interfaces. The *Network TAP* operates on layer 1 and inserts a small symmetric and constant delay of about 1.2 µs.

Discover errors

With the NETLion Configurator Software, you can see signal quality, occurring errors, as well as the status of the data traffic.

Highlights

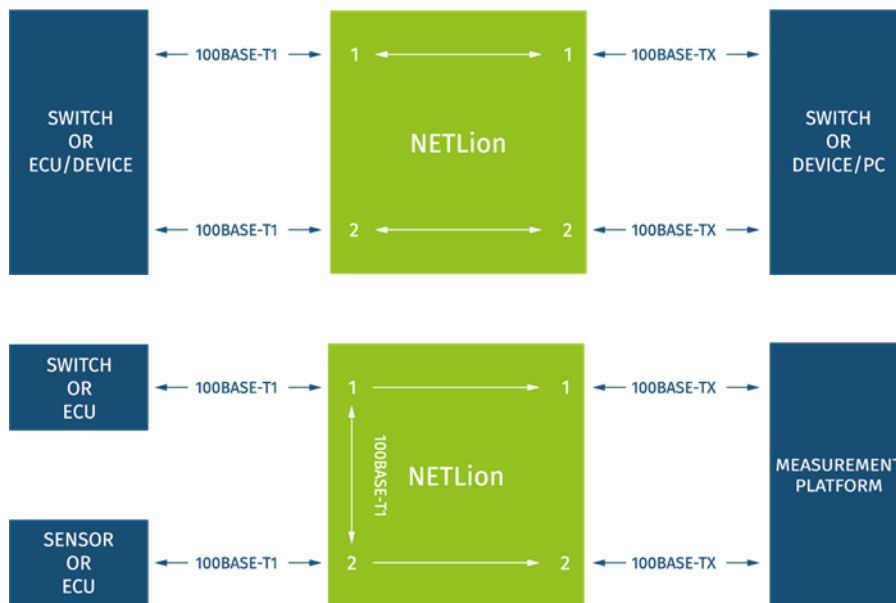
- 2 devices in one
 - Media converter
 - BroadR-Reach® Network TAP
- LEDs for
 - BroadR-Reach® Signal quality
 - Operation Mode
 - Master/Slave
- Wireshark dissector
 - For the view of diagnosis data in measurement setups
- Robust hardware
 - Extended operating temperature range
 - Wide range power supply
- Simple configuration
 - Basic configuration without PC (DIP switches)
 - Extended Configuration and diagnosis via NETLion Configurator



Specifications

Operating temperature range	-40 °C .. +75 °C	
Power supply	8 V ..32 V	
Protection class	IP20	
Mechanical dimensions	104 mm x 105 mm x 26 mm	
Weight	250 g	
Certifications	EN55022-EN55024, EN55032, EN7637-2	
Interfaces	2x BroadR-Reach® / RJ45 2x 100BASE-TX / RJ45 1x USB 1x Ethernet	Data traffic according operating mode Data traffic according operating mode Configuration and analysis (USB Client) Configuration and analysis (Measurement)

Block diagram



Order information

Name	Part number	Description
NETLion C2T – BR	B18000-NEL-001-0001	Network TAP & Dual Media Converter
NETLion C2 – BR	B18000-NEL-001-0002	Dual Media Converter