



Data Sheet

NETLion 10G

NETLion 10G is a development tool for 2.5/5/10GBASE-T1 networks.

NETLion 10G is a development tool for 2.5/5/10GBASE-T1 networks. It helps the user with logging and analysis of data traffic or with the conversion of 2.5/5/10GBASE-T1 physical layers to 2.5/5/10GBASE-T Ethernet, as Ethernet is the commonly used network technology.

Dual Media Converter Mode

NETLion 10G converts up to two 2.5/5/10GBASE-T1 signals to 2.5/5/10GBASE-T Ethernet. You can use two independent bi-directional converter channels.

Network TAP Mode

During the operating mode *Network TAP*, you can decouple data of the two 2.5/5/10GBASE-T1 line ends and transmit data to the two 2.5/5/10GBASE-T interfaces with no interference on the communication in the 2.5/5/10GBASE-T1 network.

Software Interfaces

NETLion 10G has a configuration Ethernet port where you can access the web interface.

With the NETLion web interface you can see signal quality, occurring errors, as well as the status of the device.

For automation, NETLion 10G provides a common gateway interface (CGI) to change the device settings.

Use in the Automotive Area

NETLion 10G can be used on the development desk and even in harsh environments. Power supply and operating temperature range are designed for the permanent integration under these conditions.

Highlights & Features

Two Devices in One

- Dual Media Converter
- Network TAP

Three Speeds 2.5/5/10GBASE-T1

LEDs for

- 2.5/5/10GBASE-T1 Signal Quality
- Operation Mode
- Status
- Master/Slave
- Ethernet Port Speed

Web & SW-Interface

- For the view of diagnosis data and further PHY adjustments
- Modes for compliance tests of 2.5/5/10GBASE-T1

Simple Configuration

- Basic configuration without PC (DIP switches)
- Extended Configuration and diagnosis via NETLion Web interface
- Common Gateway Interface (CGI)

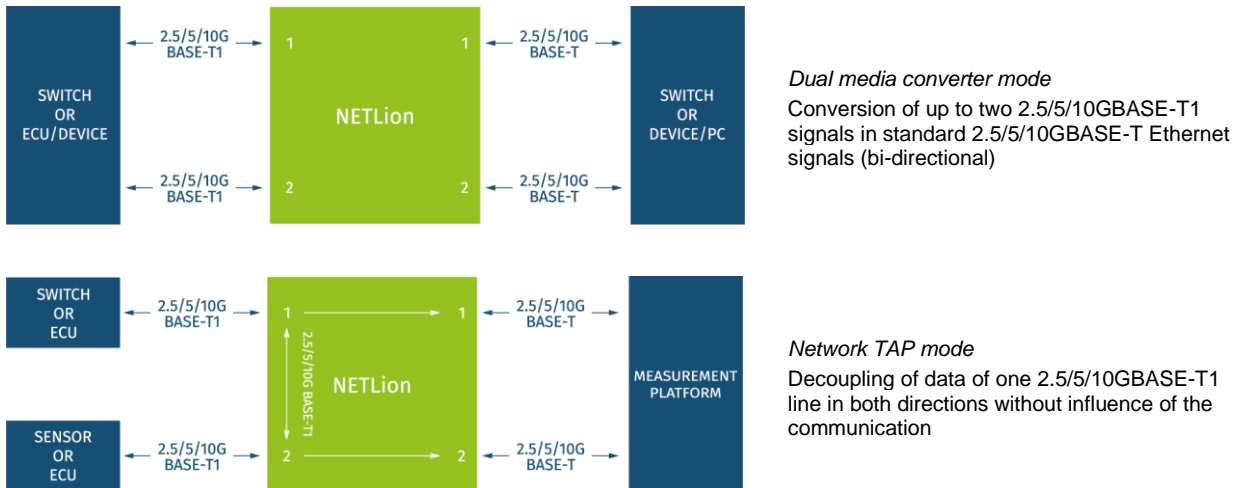
Example:



Specifications

Operating Temperature	-25°C – +70°C (ambient)	
Supply Voltage	9 V – 32 V	
Maximum Electrical Current	1 A (9 V)	
IP Protection Class	IP20	
Housing Dimensions	121 mm (W) x 110 mm (D) x 50 mm (H)	
Weight	552 grams	
Approvals	CE, FCC, VCCI, ICES, RoHS, REACH	
Interfaces	1x MGMT Port, RJ45 2x 2.5/5/10GBASE-T1, H-MTD 2x 2.5/5/10GBASE-T, RJ45	Management port IEEE 802.3ch IEEE 802.3an / 802.3bz

Block diagram of the system



Order information

Name	Part number	Description
NETLion 10G C2T	B18085-NEL-001-0001	2.5/5/10GBASE -T1 – 2.5/5/10GBASE -T Dual Media Converter & Network TAP
NETLion 10G C2	B18085-NEL-001-0002	2.5/5/10GBASE -T1 – 2.5/5/10GBASE -T Dual Media Converter