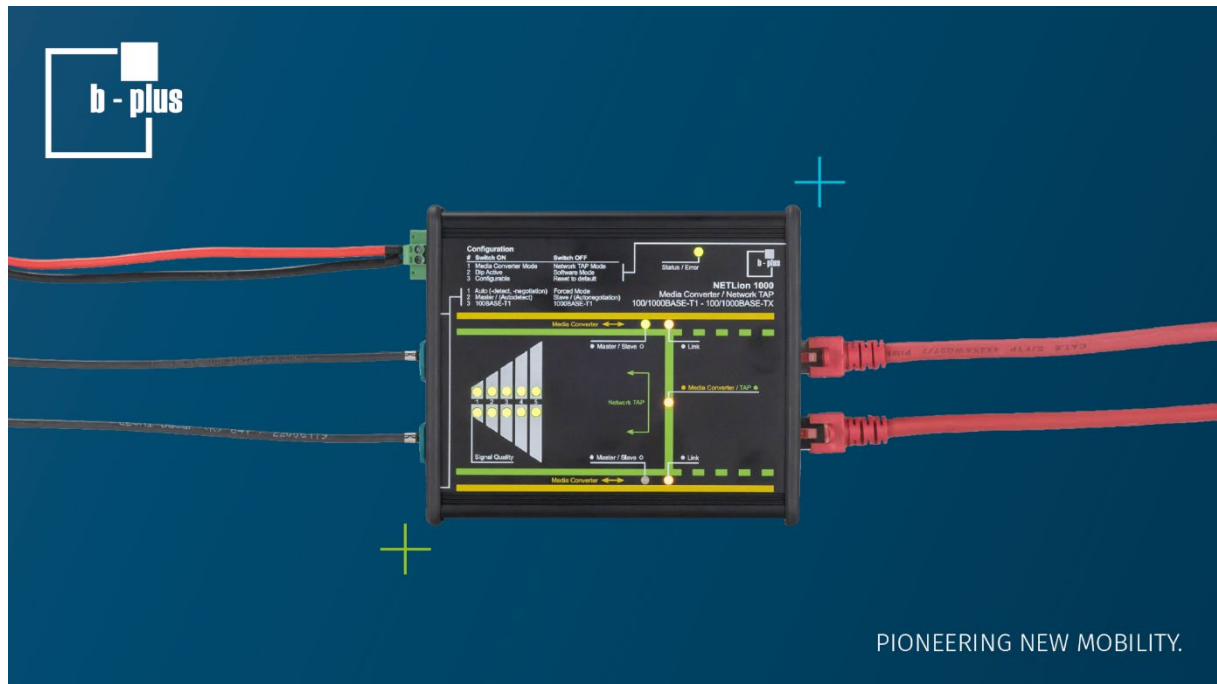




# Bridging Automotive and Standard Ethernet

## NETLion 1000 – The Quintessential Tool for Automotive Ethernet Innovation

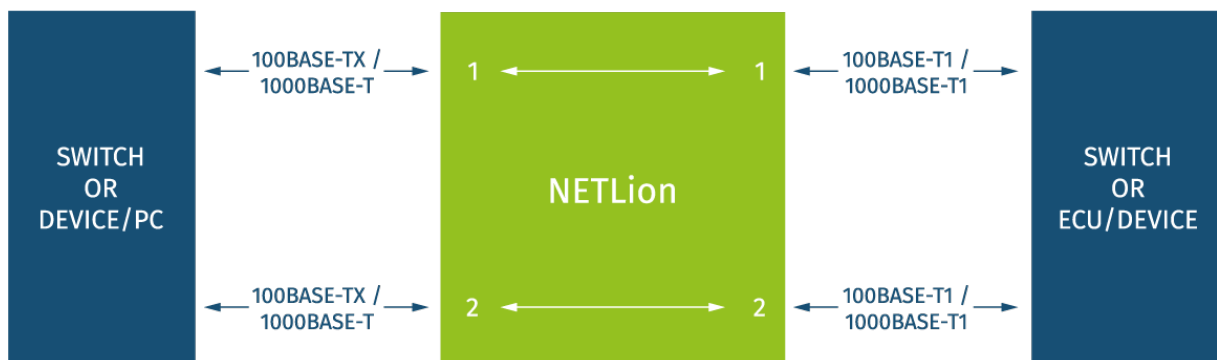


Product Picture: Automotive Ethernet Converter & TAP NETLion

Unlock the full potential of Automotive Ethernet development with the NETLion 1000, our multifaceted tool designed to streamline your workflow. Whether it is software and hardware development, data measurement and analysis in test vehicles, hardware-in-the-loop simulations, end-of-line testing, or ECU flashing. The NETLion 1000 is your go-to solution for a wide range of ECU development requirements.

### Operating Mode Media Converter

The NETLion 1000 effortlessly connects automotive Ethernet to standard PC-Ethernet, becoming an essential asset in your development arsenal. As a media converter, it converts up to two 1000BASE-T1/100BASE-T1 signals into 1000BASE-T/100BASE-TX signals. This singular device upholds multiple standards, consolidating your toolkit without compromising on capability.



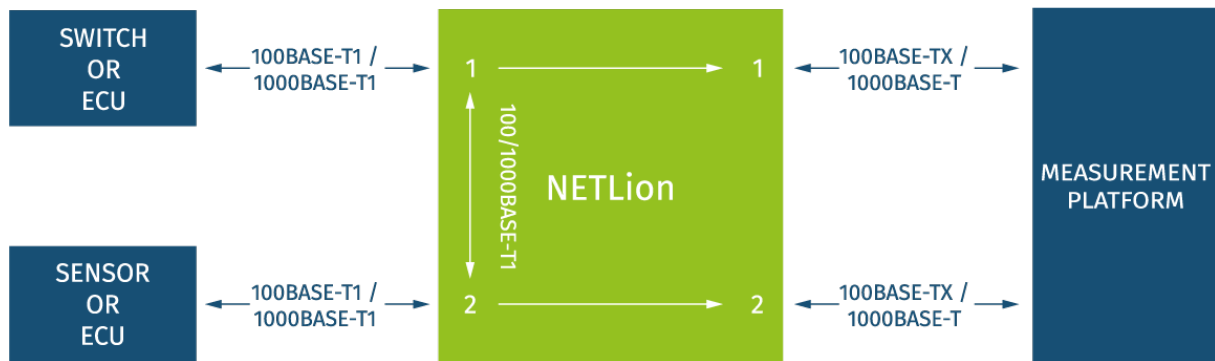


### Effortless and Versatile Configuration

Configuring the NETLion 1000 is a breeze. With intuitive DIP switches on the device's housing, you can swiftly execute basic configurations and kickstart your project. Alternatively, the NETLion 1000 can be configured via an Ethernet-based web interface, avoiding the need for specialized software or drivers and thus preventing setup interference often caused by driver misconfiguration. Additionally, advanced functions and settings are accessible through the Common Gateway Interface (CGI), offering an even broader range of configuration options.

### Operating Mode Network TAP

In TAP mode, the NETLion 1000 enables precise monitoring of data, allowing you to single out and examine individual data streams. This facilitates the rapid identification and analysis of errors, enhancing both error detection and prevention, thereby ensuring development stability.



### Unrivalled Data Integrity with Layer 1 Technology

Our Network TAP works on Layer 1 technology, functioning "passively" to ensure that data packets remain unaltered during decoupling. This guarantees the delivery of precise, uncompromised data for your analysis. Moreover, a swift data transmission and minimal and defined latency are crucial for time-sensitive ECU tasks like firmware flashing, thereby accelerating development cycles and minimizing tool interference.

### Comprehensive Cable Testing

Beyond its media conversion and TAP capabilities, the NETLion 1000 serves as an effective cable tester. It gives you insights about the condition, as well as the length of the unterminated cable. Furthermore, it reveals whether there is a cable break and at which point it is located.

### Rugged and Reliable—Anywhere You Need It

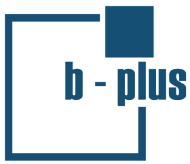
The NETLion 1000 is constructed to endure the demanding conditions encountered both on-board and in the lab. Its robust metal casing, complemented by rubberized edges for shock absorption, ensures durability. The device is also equipped with LED indicators for straightforward connection status checks and is designed to operate in extreme temperatures ranging from -40°C to +75°C. Its wide-range power input is suitable for test vehicles and trucks, confirming its versatility in any automotive setting.



### Trust Born from Proven Expertise

Our track record with the NETLion 1000, building on the success of its predecessor, underlines our expertise in automotive Ethernet solutions and time synchronization. At b-plus, we use our extensive experience to bring you a top-class media converter.

The NETLion 1000 is as indispensable to the engineer's toolkit as a Swiss Army Knife is to the adventurer. Keen to discover how the NETLion can enhance your projects? We are ready to demonstrate the full range of possibilities and help you realize the full potential. For more information, technical specifications, and additional contact details, visit the [NETLion website](#).



## CONTACT

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## ABOUT B-PLUS GROUP

The b-plus Group is with more than 230 employees an international leading development partner for advancing technologies in the fields of autonomous driving, driver assistance systems and the automation of mobile machines. With its development tools, automotive software and mobile automation divisions, it offers its customers a wide range of measurement technology, software and hardware.

As a long-term partner, b-plus accompanies its customers from the identification of the problem to the implementation of the development solution and beyond. The teams at the Deggendorf, Regensburg, Cham and Lindau locations work hand in hand to provide comprehensive and holistic solutions.