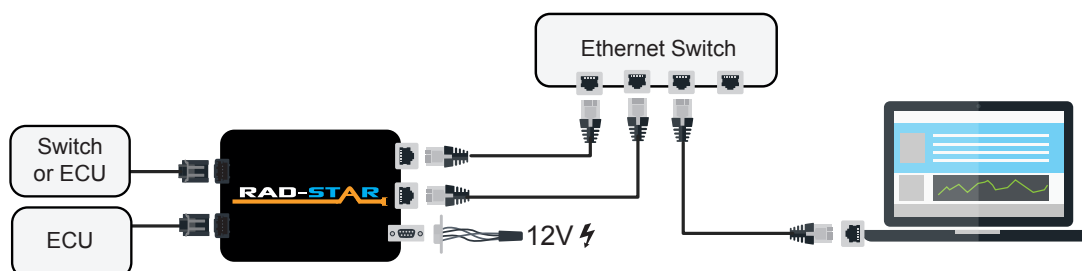


# RAD-Star

## Active Tap and Media Converter for Automotive Ethernet

Intrepid's RAD-Star is a multi-purpose Ethernet gateway for Automotive Ethernet applications. Using the RAD-Star, you can monitor both sides of a BroadR-Reach® (100BASE-T1) connection or connect your laptop to BroadR-Reach® (100BASE-T1) networks as a physical layer gateway. As a gateway to standard 4 wire Gigabit Ethernet, RAD-Star makes any existing standard Ethernet device, laptop, or data logger compatible with BroadR-Reach® (100BASE-T1).

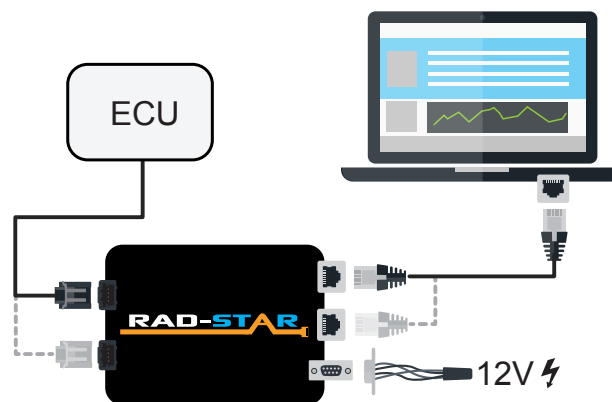


### Active Tap

To monitor the full duplex BroadR-Reach® (100BASE-T1) Ethernet physical layer, you need to insert an active gateway. This specialized gateway passes all traffic between the BroadR-Reach® (100BASE-T1) devices at nearly zero latency and also makes copies for the connected 10/100 Mb Ethernet tool, also at wire speeds.

### Gateway

The RAD-Star acts as a gateway between your laptop or other standard Ethernet device and the physical layer of your target ECU. It translates BroadR-Reach® (100BASE-T1) traffic in the vehicle to standard Ethernet traffic you can view and analyze on your computer using Intrepid's Vehicle Spy software.



### Features

- Tap copies full duplex communications between master and slave with low latency.
- Can serve as a BroadR-Reach® (100BASE-T1) to 10/100 Mb Ethernet bridge.



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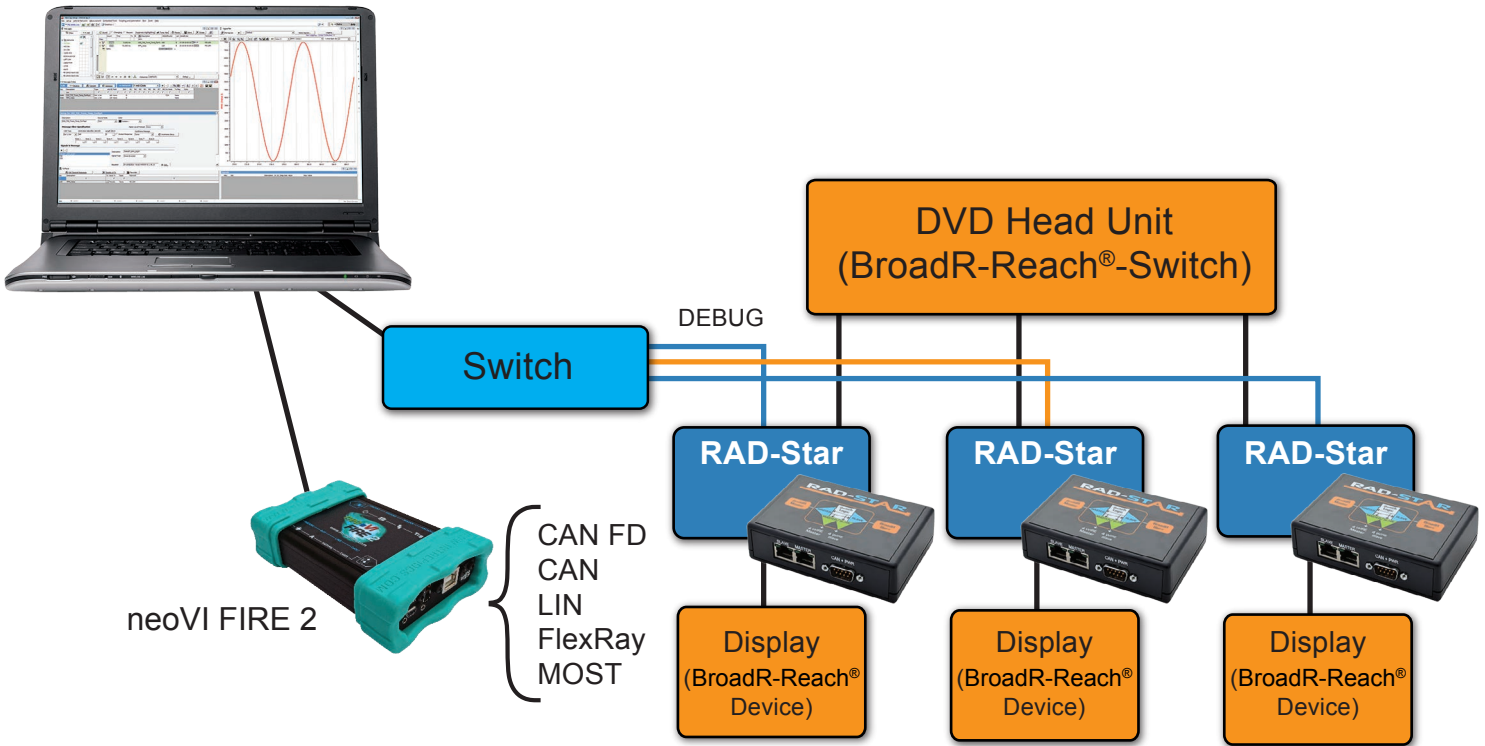
[www.aeta-rice.com](http://www.aeta-rice.com)

# RAD-Star

The RAD-Star device contains four Ethernet connections. Two Ethernet connections are connected to the BroadR-Reach® (100BASE-T1) physical layer. Two Ethernet connections are connected to standard 10/100 Mb Ethernet that routes traffic to a PC using Vehicle Spy. A high speed intelligent router manages message passing between Ethernet PHYs.



## Example Application



## Ordering Information

Part Number	Description
RAD-STAR	RAD-Star device

Specifications subject to change; please contact Intrepid for the latest information. All trademarks are the property of their respective owners.

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