

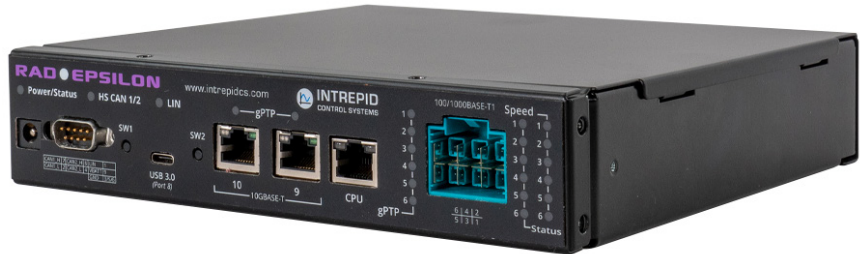
RAD-Epsilon

9-Port Gigabit Automotive Ethernet Managed Switch

Intrepid's RAD-Epsilon is a rugged 9-port Gigabit managed switch with Nvidia Jetson Nano Integration designed specifically for bench/vehicle network and Autonomous development. In addition to its Ethernet functionality, it integrates many of the key CAN, LIN, and scripting features found in our vehicle networking tools.

PRODUCT FEATURES:

- Marvell 88Q6113 Managed Switch designed for Automotive Environment
 - Embedded AVB/TSN protocol stack
 - IEEE 802.1Q tag support with 4096 VLANs
 - Port mirroring
 - Per-port address whitelisting/blacklisting
 - Ingress policing and rate limiting
 - Ternary Content Addressable Memory (TCAM)
- AVB/TSN STANDARDS SUPPORTED
 - 802.1AS – Generalized Precision Timing Protocol (gPTP)
 - 802.1Qav – Forwarding and Queuing for Time-Sensitive Streams (Credit Based Shaping)
 - 802.1Qbv - Enhancements for Scheduled Traffic (Time Aware Shaping)
 - Static Stream Reservation
- Embedded processor for scripting and embedded C applications
- Intrepid Security Module supporting cybersecurity applications
- LEDs for network status and device configuration
- Field-upgradeable flash firmware



PRODUCT FEATURES:

| | RAD-Epsilon |
|---|--|
| 100/1000BASE-T1 ports | 6 |
| 10GBASE-T Ports | 2 |
| 1000BASE-T Ports (with PoE) | 0 |
| USB/GigE Bridge | 1 |
| PCIe Gen 3 (2 Lanes) | 0 |
| CAN FD Channels w/ programmable termination | 2 |
| LIN Channel | 1 |
| Optional Nvidia Jetson Nano Integration | Yes |
| Form Factor | 1U half-rack (9.5") vented case with FANs |



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