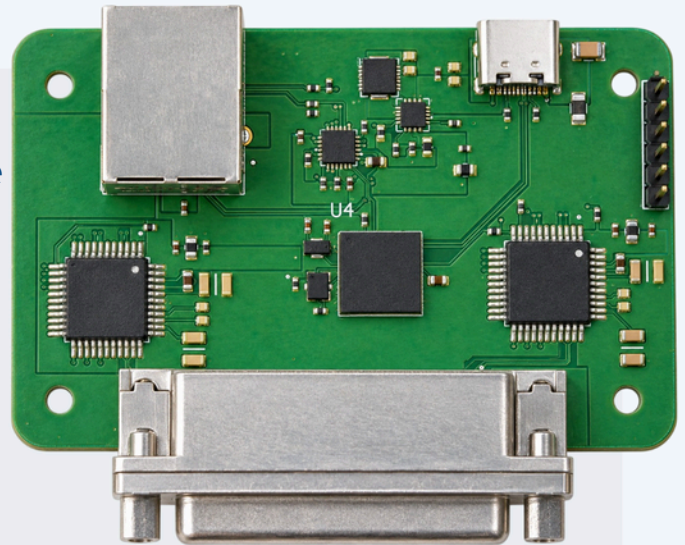


AvioNForge429

ARINC-429 Ethernet/USB Interface

AvioNForge429 is a compact, high-performance avionics interface designed to bridge ARINC-429 systems with modern Ethernet and USB communication interfaces.



It provides reliable data transmission, reception, monitoring and protocol conversion for avionics integration, development and test applications.

Key Features

- 2 TX and 4 RX ARINC-429 channels
- High-speed (100 kbps) and low-speed (12.5 kbps) ARINC-429 operation
- Bidirectional ARINC-429 ↔ Ethernet/USB data communication
- Programmable ARINC-429 label filtering
- 10/100BASE-T Ethernet interface
- USB 2.0 High-Speed interface via USB Type-C
- 5 VDC power input via USB Type-C
- Single USB Type-C connection for both data communication and device power
- USB bus-powered operation — no separate power adapter required
- Standalone embedded architecture
- Compact platform for avionics integration and data conversion
- Designed for development, monitoring and test applications