

Wireless C-Band Network Transceiver nXCVR-3140A-2

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Description

The nXCVR-3140A-2 IP transceiver is designed for air-to-ground and air-to-air wireless TmNS-based communications. Two transceivers work together to perform wireless routing functions, allowing for enhanced connectivity to an airborne platform. This can enable system reprogramming, control, and remote data access.



nXCVR-3140A-2
Wireless C-Band Transceiver
TmNS-based Communications

Features

- + Two radios transparently connect in a point-to-point configuration for wireless TmNS-based communications
- + Up to 20 Mbps throughput, SOQPSK for efficient transmission and reception
- + IEEE-1588 based with GPS back up (can act as master)
- + 3 configurable ports for control, diagnostic, troubleshooting, management, software updates, and statistics gathering
- + Opto-isolated output, general-purpose output signal return

Benefits

- + Increases the flexibility of any FTI system
- + Frees up test pilot to focus on test points
- + Easy to use
- + Reliable with a low boot time
- + System and link is secure
- + Range > 120 nautical miles, suits high-speed aircraft

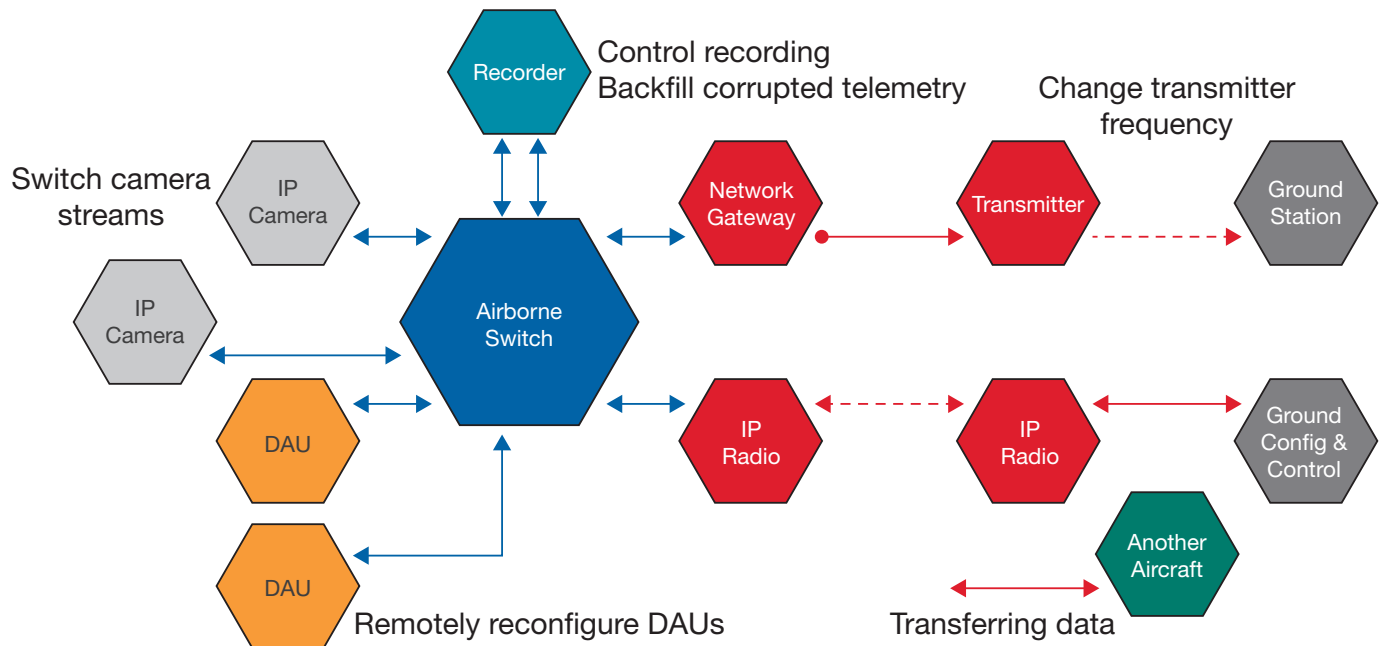
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Applications

Typical applications of the wireless transceivers include:

- + Passing control commands from ground station to airborne systems, such as
 - > Start/stop recording
 - > Change camera configuration
 - > Change transmitter frequency
- + Transferring data from aircraft to aircraft, extending the network distance
- + Using recorded data to backfill or replace any data corrupted due to telemetry drops



Accessories

There are numerous accessories, including REF combiners, filters, and bi-directional amps, designed specifically for TmNS. Contact [Curtiss-Wright](https://www.curtisswright.com) for ordering information.