

Portable testing of STANAG3910 avionics

STANAG3910/EFEX is the high-speed backbone powering Eurofighter Typhoon aircraft. As Europe pushes ahead with the Eurofighter Typhoon Long-Term Evolution program, the future of combat capability hinges on faster, smarter, and more tightly integrated avionics. Massive upgrades are underway, all of which demand unprecedented data throughput and flawless synchronization across the aircraft.

Operating at 20Mbps over fiber optics, the STANAG3910/EFEX high-speed avionics bus carries mission-critical data between sensors, computers, and weapons systems. As the aircraft evolves, so must the test infrastructure that validates every subsystem.

Advances in FPGA and SoC integration have enabled high-speed avionics interfaces that can fit in the palm of a hand, enabling lighter, faster and more flexible test solutions, transforming how engineers work on benches and rigs, and in the field.

The ASC3910 is the world's first portable STANAG3910/EFEX Smart Cable. Powered through USB-C, it delivers full test, simulation, and monitoring capability without compromising the functionality of traditional PC-based modules. Its compact form gives engineers the freedom to test any STANAG3910/EFEX LRU on the bench, plug directly into aircraft rigs and carry high-speed fiber-optic capability anywhere.

Paired with AIM's PBA.pro Test & Analysis software, the ASC3910 becomes part of a unified avionics analysis ecosystem. Multiple buses, Ethernet and more can be time-correlated within a single application, giving engineers a complete picture of system behavior. This means faster troubleshooting, deeper insight, and cleaner integration across the Typhoon's increasingly complex avionics landscape.



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