

# XMC Fibre Channel Card



## Overview

This FPGA XMC Card solution comes with a range of AMD Virtex/Kintex UltraScale+ FPGAs, along with different memory configurations to meet application requirements. Additionally, our FPGA XMC Cards support different carrier boards using PCIe, Ethernet, or XAUI host interfaces. Delivering ease of integration and serviceability, the XMC-E01 hits the sweet spot for system integrators needing a tech refresh without the hassle of custom modifications. Based on Intel®'s popular XL710 Ethernet Converged Network Adapter, the XMC-E01 delivers four independent channels of 10 GbE. The FC-75500 FibreACCESS XMC board series is based on DDC's third generation of two-channel Fibre Channel Network Access Controller (NAC) PMC boards. These ruggedized boards provide 1 and 2 Gb Fibre Channel interfaces for TCP/IP, UDP/IP, ASM, SCSI Initiator and FC-AE-1553 (High-Speed 1760) upper. The V1151 is the industry's most advanced FPGA XMC Card solution. New Wave DV brings an experienced team of FPGAs to ensure rapid. Critical I/O Fibre Channel XMC/PMC products enable embedded processors to leverage Fibre Channel technology for high performance networking and storage applications. All products offer multiple fully independent Fibre Channel ports, and feature extensive protocol support and protocol offload. The XMC-E01 XMC (VITA 42) module speeds and eases the integration of 10 Gigabit Ethernet (GbE) connectivity into military and aerospace embedded computing systems.

## Article Content

Mar 26, 2026

### 8-Channel MIL-STD-1553 XMC Card Delivers Maximum Performance

DDC offers a broad product line of advanced data bus technology for Fibre Channel networks; MIL-STD-1553 and ARINC 429 Data Networking cards, components, and software;

Jun 05, 2026

### V1151 Quad-Port 3U VPX Module

V1151 Quad-Port VPX FPGA Card Overview The V1151 is the industry's most advanced FPGA VPX solution. It is designed to provide a real time high-bandwidth network interface, and processing

Nov 17, 2025

### V1151-Quad-Port-XMC-FPGA-Card-Datasheet

Benefits Overview High density FPGA XMC card for next generation data distribution and signal intelligence systems Supports 1/10/25G Ethernet, 1/2/4/16/32G Fibre Channel, 1/2/2.5/10G sFPDP, 1

Mar 31, 2026

### Quad-Port FPGA XMC Card (V1151)

Our FPGA XMC Card's design flexibility is intended to meet application requirements. This has resulted in optimized SWaP, shorter development cycles,

Jul 29, 2025

### V1141 Quad-Port PMC/XMC FPGA Card

The V1141 card features the Microsemi SmartFusion2 M2S150 SoC FPGA and includes onboard memory to assist hardware acceleration of networking stacks. The V1141 features four SFP+

Aug 02, 2025

### FCA2740-XMC-FF-G

All products offer multiple fully independent Fibre Channel ports, and feature extensive protocol support and protocol offload, providing the highest possible

Nov 01, 2025

Avionics Interface Technologies (AIT) | Military Aerospace

More Info on Avionics Interface Technologies (AIT) Designs and manufactures avionics modules, systems, and analyzers for Fibre Channel, HS1760E/MIL-STD-1760, MIL-STD-1553, ARINC 429,

Jun 21, 2026

V1151-Quad-Port-XMC-FPGA-Card-Datasheet

The card features all of the necessary hardware, FPGA IP cores, plus software drivers to support Ethernet, Fibre Channel, sFPDP, and ARINC 818. New Wave also offers options for custom high

May 23, 2026

FibreACCESS® Fibre Channel Network Access

These ruggedized boards provide 1 and 2 Gb Fibre Channel interfaces for TCP/IP, UDP/IP, ASM, SCSI Initiator and FC-AE-1553 (High-Speed 1760) upper layer

Jul 07, 2025

V1141 Quad Channel PMC/XMC Networking Card

New Wave DV's V1141, available in either PMC or XMC form factor, is designed to provide robust network performance and control for industrial and military applications.

Nov 22, 2025

XMC E01 | Defense Solutions | Curtiss-Wright

Unleash the benefits of fiber-optic transceivers for high-speed data communications, without the unwanted integration hurdles, with the XMC-E01 Quad-Channel Fiber-Optic Ethernet XMC card.

Feb 17, 2026

Data Device Corporation

DDC's XMC card utilizes the world's most advanced MIL-STD-1553 technology, Total-AceXtreme®, to deliver ultra low power dissipation, high MTBF, and high

May 24, 2026

V1155 Quad-Port Rugged XMC FPGA Card | New Wave

High-density FPGA XMC card for next generation data distribution and signal intelligence systems VITA 20 compliant and built for harsh embedded

Mar 02, 2026

Curtiss-Wright's New Fiber-Optic XMC Card Brings Quad-Channel 10

With four channels of 10 GbE, the XMC-E01 reduces slot count and size, weight and power (SWaP) burdens by 50% compared to competing two-channel designs. The module's fiber-optic "pigtail"

Aug 27, 2025

#### V1141 Quad-Port 3U VPX Module

The V1141 features four SFP+ interfaces and supports Ethernet (UDP, ARP, ICMP) and Fibre Channel (LL, ASM) at rates up to 5 Gbps per port.

Jun 06, 2026

#### New Fiber Optic Xmc Card Quad Channel 10 Gb

The rugged XMC-E01 Quad-Channel 10Gb Fiber-Optic Ethernet XMC card is based on Intel®'s popular XL710 Ethernet Converged Network Adapter,

Mar 20, 2026

#### V1153 12-Port Rugged XMC FPGA Card

Supporting temperature ranges from -40°C to +85°C and complying with VITA 20 standards, each V1153 XMC card delivers a reliable, long-lasting solution for your rugged embedded needs. [Get This](#)

Mar 01, 2026

#### V1151 1/10/25/40/100 Gigabit FPGA XMC Card

V1151 1/10/25/40/100 Gigabit FPGA XMC Card Benefits High density FPGA XMC card for next generation data distribution and signal intelligence systems Supports 1/10/25G Ethernet and

Mar 27, 2026

#### XMC-E01: Quad channel 10Gb Fibre-optic Ethernet XMC

The XMC-E01 is based on the widely supported Intel® XL710 controller, and supports four independent channels of 10 GbE as well as a range of advanced features such as checksum offload and IEEE

Dec 05, 2025

#### V1152 12-Port XMC FPGA Card

Our FPGA XMC Card's design flexibility is intended to meet application requirements. This has resulted in optimized SWaP, shorter development cycles,

Aug 30, 2025

#### XMC & PMC Mezzanine Cards | New Wave Design

Rugged, high-speed, FPGA- & Adaptive SoC-based XMC and PMC cards. Ideal for embedded & test applications in Aerospace & Defense environments.

Feb 04, 2026

#### V1151 Quad-Port XMC FPGA Card

This FPGA XMC Card solution comes with a range of AMD Virtex/Kintex UltraScale+ FPGAs, along with different memory configurations to meet application requirements. Additionally, our FPGA XMC

Jul 04, 2025

#### Fibre Channel

Avionics Interfaces & Test Instruments Fibre Channel AIT's Fibre Channel Simulyzer™ products are multi-function, high performance, intelligent Fibre

## Contact Us

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