

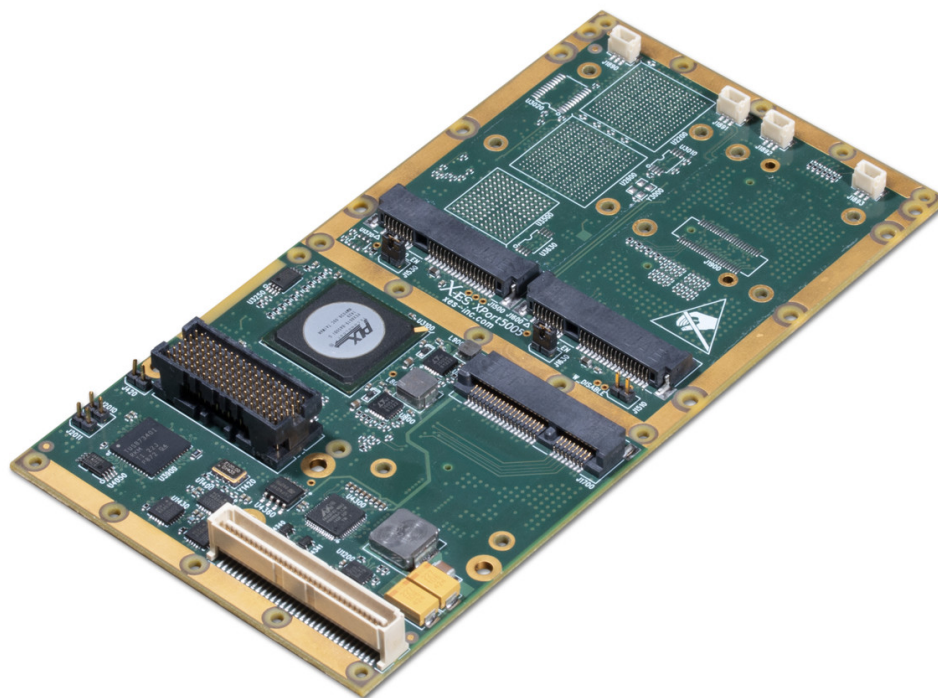
# XPort5005

**Not Recommended  
for New Designs**

XMC Form Factor PCIe Mini Card Carrier Board

Please contact X-ES Sales

- › Up to two dual-redundant channels of MIL-STD-1553
- › Supports up to three PCIe Mini Cards
- › Up to four CAN bus 2.0 channels
- › Conduction- or air-cooled
- › Supports two full-height PCIe Mini Card modules or two mSATA modules
- › Supports three half-height PCIe Mini Card modules when full-height modules are not placed
- › XMC PCIe interface
- › PCIe Mini CEM 2.0-compliant
- › Each PCIe Mini Card site supports PCIe
- › Integration services with third-party modules available
- › Conformal coating available



## XPort5005

The XPort5005 is an XMC module that can be quickly configured to support a platform's specific I/O or storage needs. The XPort5005 allows system integrators to reduce the total cost, complexity, and time to market by supporting the varying I/O and storage requirements of different platforms. It enables rapid support for MIL-STD-1553, CAN bus, ARINC 429, GPS, IEEE 1394 (FireWire), Solid-State Drives (SSD), AES-256 encryption, GPIO, WLAN (Wi-Fi), WiMax, RS-232/422/485 serial, Bluetooth, and more.

The XPort5005 offers a flexible solution for meeting current and future platform requirements. The XPort5005 can support up to two full-height (F2/H1) PCIe Mini Card or mSATA modules and one half-height (H1) PCIe Mini Card module, or alternatively can support three half-height PCIe Mini Card modules when full-height PCIe Mini Card modules are not placed. The XPort5005 is designed to meet operational temperature ranges from -40°C to +85°C for conduction-cooled applications and -40°C to +70°C for forced-air-cooled applications.

# X-ES

Extreme Engineering Solutions

*"Fast, Flexible, Customer-Focused  
Embedded Solutions"*

### Extreme Engineering Solutions

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### P15 XMC Interface

- Up to x8 PCI Express port

### P14 PMC Interface

- Up to two dual-redundant channels of MIL-STD-1553
- Up to four CAN bus 2.0 channels
- Other PCIe Mini Card I/O

### Configuration Options

- Up to two dual-redundant channels of onboard MIL-STD-1553
- Two full-height PCIe Mini Card and one half-height PCIe Mini Card sites
- Supports three half-height PCIe Mini Card modules when full-height modules not placed
- Up to four CAN bus 2.0 channels
- Front panel I/O breakout boards available

### Software Support

Support based on board configuration

- Wind River VxWorks BSP
- Linux BSP
- Microsoft Windows drivers

### Physical Characteristics

- XMC conduction- or air-cooled form factor
- Dimensions: 143.75 mm x 74 mm

### Environmental Requirements

Contact factory for appropriate board configuration based on environmental requirements.

- Conformal coating available as an ordering option

### Power Requirements

- Power will vary based on configuration and usage. Please consult factory.

