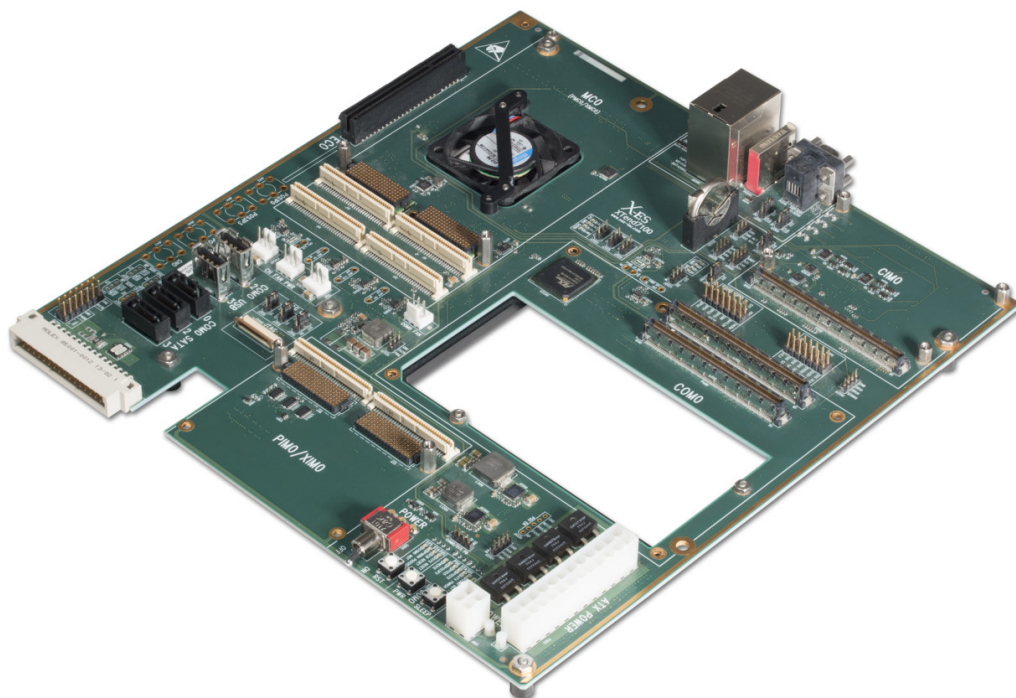


XTend7100

COM Express® and XMC/PMC Carrier for Development and Testing

- ▶ Single COM Express® site with AB and CD connectors
- ▶ Supports Type 6, Type 5FS, and Type 10 COM Express® modules
- ▶ Single XMC/PMC site
- ▶ Single COM Express® I/O Module (CIM) site
- ▶ Single XIM/PIM site for XMC/PMC module
- ▶ x8 PCIe edge connector
- ▶ ATX power supply connector
- ▶ Onboard +5 V, +3.3 V, and -12 V power supplies
- ▶ Micro ATX mounting holes for mounting in a standard PC chassis



XTend7100

The XTend7100 is a COM Express® and XMC/PMC carrier card designed to provide a low-cost and compact platform for development. The XTend7100, in conjunction with a standard off-the-shelf ATX power supply, provides a complete desktop or benchtop COM Express® and XMC/PMC platform for development, evaluation, and testing.

The XTend7100 features an integrated fan below the PMC site to provide ample airflow for the most power-hungry PrPMCs. The XTend7100 also provides onboard +5 V, +3.3 V, and -12 V power supplies, sourcing only +12 V from the ATX power supply. This arrangement avoids the voltage drop and ampacity problems commonly associated with powering high power cards using ATX supplies.

The XTend7100 allows access to a small subset of the COM Express® I/O via fixed connectors. The remaining I/O is accessible by utilizing compatible COM Express® I/O Module (CIM) cards. The CIM site allows the XTend7100 to accommodate many different COM Express® cards and provide access to any additional I/O not available via the XTend7100 integrated I/O connectors.

X-ES

Extreme Engineering Solutions

...Always Fast

Extreme Engineering Solutions

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COM Express®

- Supports Type 6, Type 5FS, Type 10
- Provides cutout for easy access to debug COM Express® modules
- Extra I/O to CIM site

Mezzanine

- 32/64-bit PCI/PCI-X up to 133 MHz
- Conventional PCI 33/66 MHz or PCI-X 66/100/133 MHz
- x8 PCIe from switch

Cooling

- Integrated XMC/PMC cooling fan
- Fan connection header for COM Express® card

Power Supplies

- Onboard +5 V, +3.3 V, and -12 V supplies
- Only +12 V is sourced from ATX supply

PMC Rear I/O

- Single XIM/PIM site for XMC/PMC rear I/O

COM Express® Rear I/O

- x8 PCIe edge connector
- Single CIM site for COM Express® rear I/O
- One Ethernet port
- Two USB 2.0 ports
- Two serial ports
- One Mini DisplayPort interface
- One eSATA port

Power Requirements (from ATX supply)

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

