**XMC-E540**

**Specifications**

**Controller**
- Dual-port Intel® 10Gigabit Ethernet Controller X540
- 10G/1G/100Mbps copper PHYs integrated on-chip
- Jumbo frames up to 15.5KB
- TCP/UDP segmentation, IPv6 IP/TCP/IP/UDP receive checksum offload
- FCoE Tx/Rx CRC offload, 256KB FCoE transmit segmentation

**Host Interface**
- PCI Express v2.1 (5GT/s)
- PCI Express X1, X2, X4, X8 lanes
- Message Signaled Interrupts (MSI/MSI-X)

**Connectivity**
- Dual RJ-45 ports

**Operating System**
- Red Hat Enterprise Linux 6

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**XMC-G460**

**Features**
- AMD Radeon E4690 embedded GPU
- 512MB on-chip GDDR3 VRAM
- Dual independent displays (DVI+VGA or VGA+VGA)
- Up to PCI-Express x8 interface
- HDMI and RGB signals to rear

**Mechanical and Environmental**
- Form Factor: VITA 42.3 XMC standard with XMC.3 connector
- Operating Temp: 0°C to +60°C
- Storage Temp: -40°C to +85°C
- Rel. Humidity: 95% (non-condensing)
- Shock: 20G peak-to-peak, 11ms duration, operating
- Vibration: 2Grms, 5-500Hz, each axis, operating
- Power Consumption: Maximum 1.5A@5V 8.5W

**Ordering Information**

**Modules**

<table>
<thead>
<tr>
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<th>Description/Configuration</th>
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<tr>
<td>XMC-G460</td>
<td>Graphics XMC module</td>
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Note: Extended temperature version is available upon request

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**XMC-E540**

**Features**
- Intel® 10Gigabit Ethernet Controller X540
- Dual-port RJ-45 copper interface at 10G/1G/100Mbps
- IEEE 802.3an 10BASE-T, IEEE 802.3 100/1000BASE-T compliant
- PCI Express v2.1 x1/x2/x4/x8
- VMDq1, VMDq and PCI-SIG SR-IOV virtualization

**Mechanical and Environmental**
- Form Factor: VITA 42.3 XMC standard with XMC.3 connector
- Operating Temp: 139mm x 74mm x 8.2mm
- Operating Temp: 0°C to +60°C
- Storage Temp: -40°C to +85°C
- Rel. Humidity: 95% (non-condensing)
- Shock: 20G peak-to-peak, 11ms duration, operating
- Vibration: 2Grms, 5-500Hz, each axis, operating
- Power Consumption: Maximum 1.5A@5V 8.5W

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