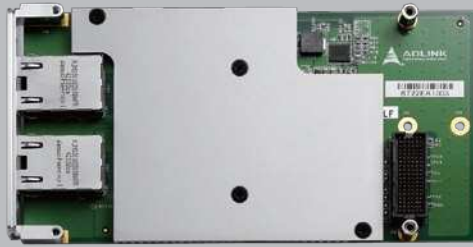


# XMC-E540

## Dual-port 10GBASE-T Ethernet XMC Module



### Features

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

### Specifications

#### Controller

Dual-port Intel® 10Gigabit Ethernet Controller X540, 10W TDP @ 110°C, T<sub>J</sub>Max  
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

Windows 7, Server 2003, Server 2008  
Red Hat Enterprise Linux 6

### Mechanical and Environmental

Form Factor	VITA 42.3 XMC standard with XMC.3 connector 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	TBD

### Ordering Information

#### Modules

Model Number	Description/Configuration
XMC-E540	Dual-port 10GBASE-T 10Gigabit Ethernet XMC module

# XMC-G460

## Dual Display Graphics XMC Module with AMD/ATI E4690 GPU



### 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

### Specifications

#### Processor

AMD Radeon E4690 Graphics Controller  
Supports DirectX 10.1 and OpenGL 3.3

#### Memory

Integrated in GPU  
128-bit memory interface, 512MB GDDR3 video memory

#### Interface

PCI Express x1, x2, x4, x8  
Pn4 (HDMI & RGB)

#### Display

Dual independent display support  
DVI-I and DB-15 VGA port on front panel  
Dual-link DVI  
Two RGB channels to front, switchable to rear via Pn4  
HDMI to rear via Pn4

### Mechanical and Environmental

Form Factor	VITA 42.3 XMC Standard 149mm x 74mm x 8.2mm
Operating Temp.	0°C to +55°C Convection Cooled
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	Average 10.9W at 400MHz clock engine when running 3D Mark06

### Ordering Information

#### Modules

Model Number	Description/Configuration
XMC-G460	Graphics XMC module