

MXC-E8860-V0

AMD RADEON E8860, 768 GFLOPS WITH SIX VIDEO OUTPUTS

KEY FEATURES

- AMD Radeon™ E8860 28nm GPU
- Up to 6 independent digital outputs, 1 analog
- Advanced dynamic power management, as low as 10 Watts
- Compact design for Small Form-Factor systems

ADDITIONAL FEATURES

- Up to 6 independent displays:
DisplayPort 1.2, HDMI 1.4, Dual-Link DVI, SVGA
- Advanced GPGPU capabilities for parallel processing:
 - 768 GFLOPs single-precision
 - OpenCL™ 1.2, DirectCompute 11.1
 - DirectX® 11.1, OpenGL 4.2
- 2GB GDDR5 memory, 128-bit
- 64 GB/s memory bandwidth
- PCIe x16 Gen3
- Long-life support

SPECIFICATIONS

- MXC form factor: 85×70 mm
- High levels of ruggedization:
 - MIL-STD-810, IPC 6012 Class-3
 - -40° to +85°C operating temperature
 - 40g, 11ms shock
 - 0.2g²/Hz at 5 - 2000Hz vibration
- Windows and Linux drivers
- VxWorks, Integrity, LynxOS, and other RTOS drivers are also available upon request

OVERVIEW

The MXC-E8860-V0 is capable of driving up to six displays, comprised of combinations of up to six DisplayPort 1.2 digital displays, or up to two legacy displays (including HDMI, Dual-Link DVI, or one SVGA). This board also has excellent GPGPU capabilities with 768 GFLOPS of single-precision parallel processing capability.

WOLF's MXC rugged compact form-factor mezzanine card is ideally suited for use in VPX carriers, COMExpress baseboards, or in custom systems. The MXC's unique size and connector arrangement allows two MXC modules to fit on a 3U VPX or four on a 6U VPX. This gives it a size advantage over an MXM card which is limited to one MXM card on a 3U VPX or two on a 6U VPX. The MXC card has been designed to provide a high level of ruggedization, with an extended operating temperature range and the ability to withstand extreme shock and vibration.

