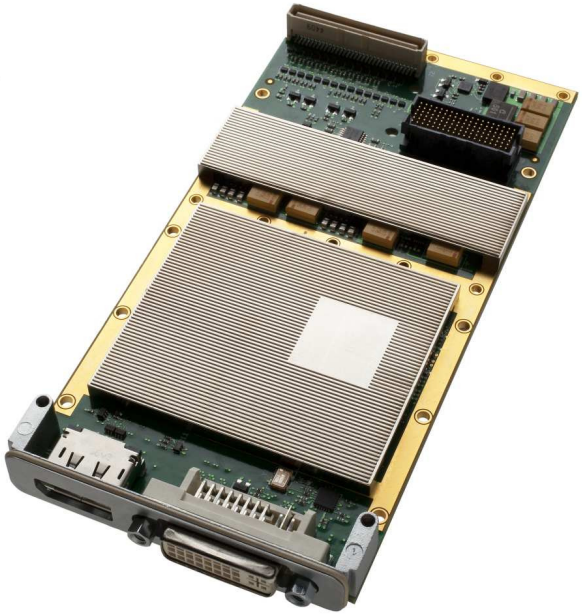

Condor 3000x

High Performance XMC graphics with GPGPU capability

Condor 3000x Features

- 1 GB frame buffer
- XMC form factor
- 2D/3D graphics compatibility
- OpenGL 4.1/DirectX 11
- OpenCL (GPGPU computing)
- Front/Rear Outputs (DVI, VGA, Dual Mode Display port)
- Up to 1920 x 1200 resolution with Single-Link configuration and 2560 x 1600 with Dual-Link
- Long term product availability
- Comprehensive customer care
- Ideal for embedded applications

Markets

- Military
- Avionics
- Industrial
- Embedded Systems

Platforms

- Windows/Linux based Single Board Computers
- VME, VPX, CPCI, ATCA,
- Other Platforms, as required

Condor 3000x is a leading edge XMC form factor graphics/video card for use in applications that require very high-end graphics and computation. Based on AMD's Radeon 6760 GPU, the Condor 3000 product line offers exceptional performance with immersive desktop-level 3D graphics and outstanding multimedia features. It's built-in video decoder enables dual HD decoding of H.264, VC-1. MPEG4 and MPEG2 compressed video streams.

The product is offered in various levels of ruggedization and has digital (DVI/ LVDS/Display Port) and analog (VGA) video outputs available from the front panel (face plate) of the card or through rear PMC/XMC connectors. Conduction cooled versions are available.

Delivering 576 GFLOPs of peak single precision floating point performance, the Condor 3000 graphics processor is ideal for general purpose graphics processing unit (GPGPU) applications such as ultrasound, radar and video surveillance. Supported by the industry standard OpenCL™ programming language, GPGPU application software development is accelerated with the AMD Stream Software Development Kit (SDK). The SDK includes developer tools such as compiler, debugger, code profiler and math libraries.

The product comes with Tech Source's commitment of availability for up to 7 years. This along with the legendary support from Tech Source's support team, where an experienced support team is available for immediate assistance to troubleshoot and resolve any issues.

While Windows/Linux drivers are available by default, other real time operating systems (RTOS) such as VxWorks, Integrity and LynxOS may be supported as per customer requirements.

Tech Source has provided graphics solutions for over 22 years and has always met customer needs—long term commitment and support.

Tech Source
An EIZO Group Company

Condor 3000x Technical Specifications

Condor 3000x — **XMC form factor video graphics adapter, up to 2560x1600 or 2048x2048 resolution with Dual-Link configuration or 1920x1200 for Single-Link. 1 GB frame buffer, multiple video outputs in front and rear.**

Specifications

Graphics Processor	Radeon 6760 GPU supporting OpenGL 4.1 and DirectX 11
Interface	XMC form factor, 8 Lane, PCI Express 2.1
Graphics Memory	128-bit wide, 1GB GDDR5 memory
Maximum Video Resolution	1920 x 1200 for Single-Link DVI Configuration and 2560 x 1600 for Dual-Link DVI
Floating Point Performance (single precision, peak)	576 GFLOPS, 480 shaders
Shader Model	5.0
OpenCL/GPGPU computing	OpenCL 1.1, DirectCompute 11
Unified Video Decoder (UVD)	UVD3 for H.264, VC-1, MPEG-2, MPEG-4 part 2 decode
Video Outputs	(Front Panel) Single-Link DVI-I (VGA or Single-Link DVI) and Dual Mode Display Port
	(Rear) Single-Link DVI-I (VGA or Single-Link DVI), Single-Link DVI-D and Two Dual Mode DisplayPort (Note: two Single-Link DVI can be converted to one Dual-Link DVI) (Note : One DVI output can be converted to LVDS)
Power Rating	40 Watts (Can be configured to be as low as 20W)
Operating Temperature	0°C to 55°C (Commercial)
	-40°C to 70°C (Rugged)
	-40°C to 85°C (TBD)
Humidity	90% without condensation
Software/Platform Support	Windows or Linux
	RTOS (As needed)
	X86, PowerPC

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