T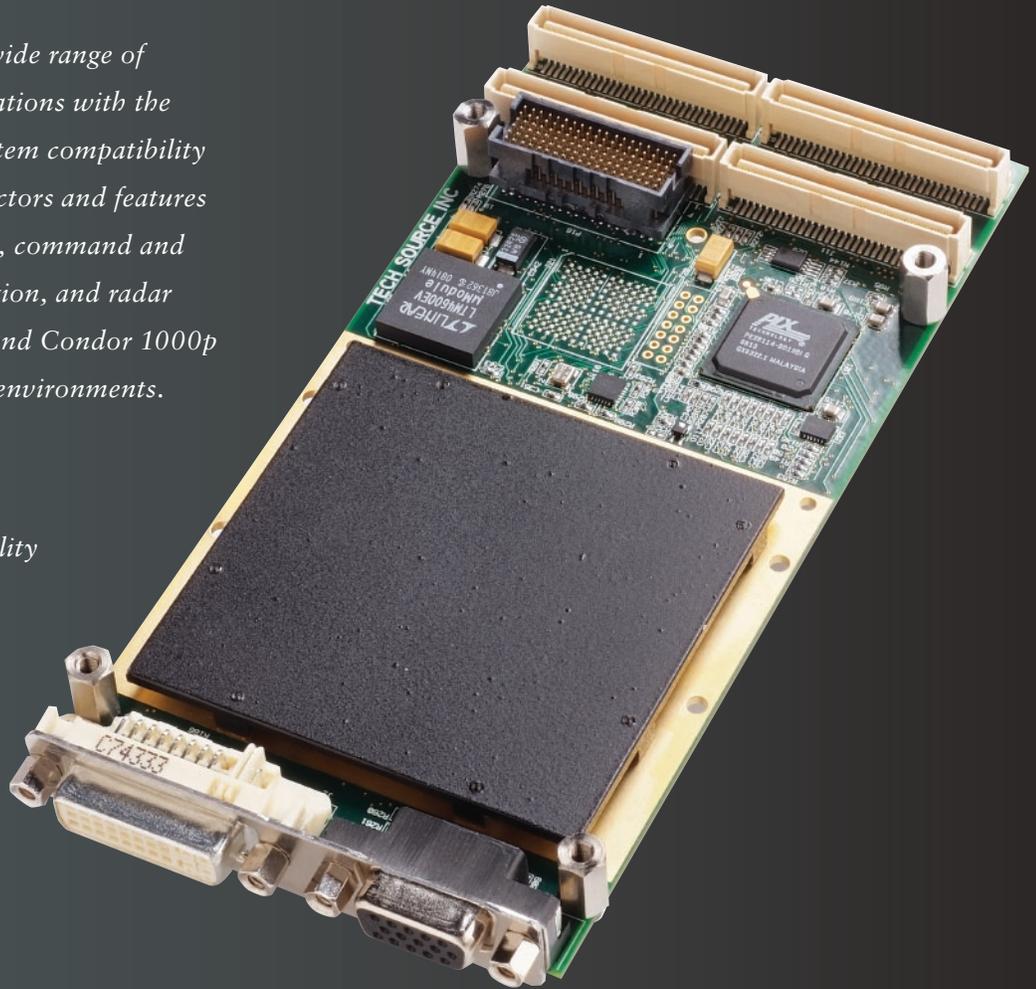ake command over a wide range of mission-critical applications with the flexibility and integrated system compatibility of Condor. With the form factors and features required in defense, industry, command and control, training and simulation, and radar display, the Condor 1000x and Condor 1000p deliver in embedded system environments.

- *128 MB Frame Buffer*
- *XMC/PMC form factors*
- *2D/3D graphics compatibility*
- *DVI-I/VGA outputs*
  (Front & Rear)
- *High-resolution support*
- *Comprehensive customer care including long-term technical support*

FEATURES

Form Factor Flexibility

Condor 1000x and Condor 1000p XMC/PMC form factors provide flexibility for use in embedded system integration. They are designed for use with VME, CompactPCI, AdvancedTCA and other single board computers with a XMC or PMC mezzanine card interface.

High Performance Graphics

To address the specific graphics requirements of military, command and control and related applications, the Condor 1000x and Condor 1000p use state-of-the-art ATI™ GPU technology from AMD that supports both 2D and 3D graphics. Both OpenGL and DirectX 10 are supported.

Multiple Resolution Support

The Condor 1000x and Condor 1000p DVI-I (dual link) output supports very high resolutions up to 2048 × 2048. The boards also come with an analog VGA output supporting resolutions up to 2048 × 1536. The resolutions are all software configurable and can even display 2560 × 1600.

Long Product Availability

Tech Source guarantees the Condor 1000x and Condor 1000p will have a production life of at least five years and optional support for up to ten years. For system integrators, and OEMs, this means significant savings on development costs by reducing the frequency of configuration re-testing that is necessary when replacing old cards with new ones.

Customized Graphics Solutions

In military and industrial embedded systems, existing COTS products often do not meet all of the requirements of a specific program. This forces system integrators to spend valuable engineering resources adapting a graphics solution to meet customer-specific requirements. Tech Source can offer customized graphics solutions such as hardware and software support for real-time operating systems like VxWorks and LynxOS, pending customer specifications.

Long-Term Customer Care

Just as important as the initial hardware investment is the promise and delivery of personalized attention in long-term, high-quality, customer care. Tech Source is unrivaled in after-sales support offering full customer care solutions in technical troubleshooting, general queries, software updates and service.

About Tech Source

Tech Source, Inc. has provided computer graphics hardware solutions to the ATC and defense markets for over 20 years. Tech Source is a subsidiary of Eizo Nanao Corporation, a leading global manufacturer of high-end display monitors. The companies offer combined expertise, cutting-edge graphics solutions, and complementary product lines for ATC, defense, and other markets.

Specifications

	Condor 1000x	Condor 1000p
Frame Buffer Size	128 MB GDDR3 SDRAM	
Graphics Processor	ATI supporting OpenGL/DirectX 10	
Graphics Mode	24 bit	
Interface	XMC, PCI Express x8	PMC, PCI/PCI-X
Video Connectors	DVI-I (dual link)/VGA	
Maximum Supported Resolutions	Digital/Analog: 2048 × 2048; Analog: 2048 × 1536	
Temperature Rating	0° to 55°C (benign) Rugged and semi-rugged versions are under development	
Humidity Rating	90% (non-condensing)	
Power Rating	Less than 25 watts	
Dimensions (L × W)	149 mm × 74 mm	
Software Environments Supported	• Windows • Linux Support for other real-time operating systems is available pending customer specifications	
Hardware Warranty	Two Years	

Tech Source

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