VX3324

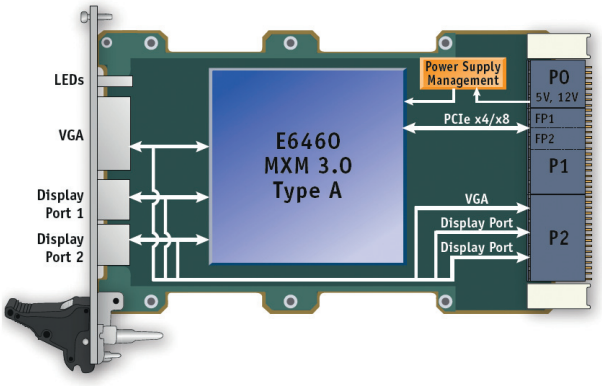


3U VPX GPU BOARD

- ATI Radeon™ E6460 Silicon
- modular design: MXM 3.0 mezzanine
- high-end graphics GPU
- three independent displays: one VGA and two DP

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The VX3324 offers high-end graphics capabilities provided by the latest graphics processing units (GPUs) from AMD Radeon™.
The VX3324 is a versatile graphics board able to display images with highresolution on three independent monitors via its integrated DisplayPort and VGA interfaces, available as front or rear I/O. This enables a high level of efficiency for intelligence, surveillance, and reconnaissance applications such as command and control workstations, radar consoles, and cockpit displays.
The VX3324 is based on the embedded AMD Radeon™ 6460 GPU with 160 cores at 600 MHz and 512 MB GDDR5 high-performance graphics memory. The integrated video decoder keeps the CPU load down for H.264, VC-1, MPEG-2, and MPEG-4 part 2 video.



TECHNICAL INFORMATION

DISPLAY OUTPUTS	One VGA port and 2 DisplayPorts, up to 30 bits per pixel, VGA: triple 10 bits DAC, up to 400 MHz pixel rate Display Ports: x4 lanes, 5.4, 2.7 - or 1.62 GHz link-data rate per lane - Up to 2560 × 1600 @ 60 Hz, 24 bpp with 2.7 GHz link - Up to 2560 × 2048 @ 60 Hz, 30 bpp with 5.4 GHz link
HOST INTERFACE	PCI-Express® Base Specification Revision 2.1, gen2 speed, ×1, ×2, ×4 and ×8
GPU TECHNOLOGY	40 nm GPU running at 600 MHz, Tj max 105° C, On die temperature sensor, +/- 3° C
MEMORY	512 MByte GDDR5, 128 bits, 800 MHz
GPGPU	160 cores at 600 MHz, up to 192 GFlops (single precision floating point)
SOFTWARE	Linux and Windows operating systems, support for OpenGL 4.1, support for OpenCL™ 1.1.
FORM FACTOR	MXM Version 3.0, Type A mounted on a 3U VPX carrier card (onboard PCIe retimer enhances signal integrity)

ENVIRONMENTAL SPECIFICATIONS

	SA - Standard Commercial
CONFORMAL COATING	Optional
AIRFLOW	1 m/s
TEMPERATURE	VITA 47-Class AC1
COOLING METHOD	Convection
OPERATING / STORAGE	0° C to +55° C / -45° C to +85° C
VIBRATION SINE (OPERATING)	2 g / 20-500 Hz, acceleration / frequency range
RANDOM	VITA 47-Class V1
SHOCK (OPERATING)	20 g / 11 ms, peak accel. / duration half sine
ALTITUDE (OPERATING)	-1,640 to 60,000 ft
RELATIVE HUMIDITY	90 % non-condensing (95 % if coated version)

ORDERING INFORMATION

ARTICLE	PART NO.	DESCRIPTION
VX3324	VX3324-SA-01000	Air-cooled GPU E6460 board, 1" slot pitch, front graphics connectors

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