matrox **ATC-RGSeries**
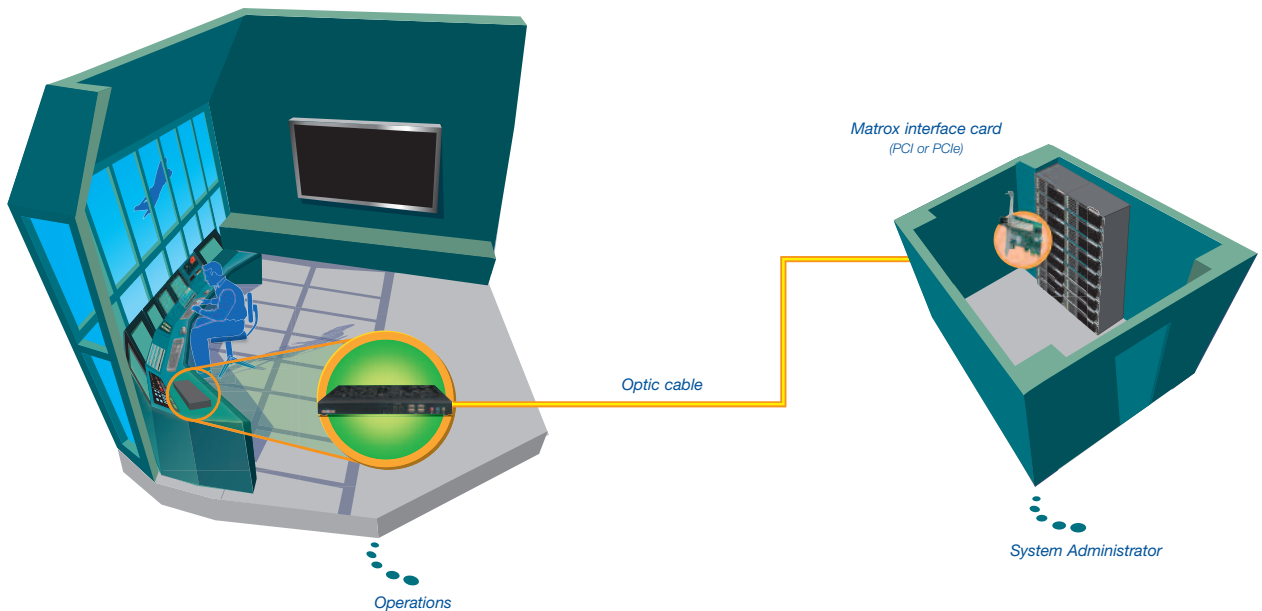## family of external graphics units

Matrox Remote Graphics Unit

Extending your multi-display possibilities

Matrox Graphics, the industry leader in delivering graphics solutions for professionals for over 30 years, is pleased to introduce the revolutionary Matrox ATC-RG series. A new line of external graphics units designed to keep the computing system in the computer room while bringing the high graphics performance in the operations room.

This system consist of one host interface card and the remote graphics unit (RGU). The interface card connects into the application computer. The RGU is located at the operators desk and allows to connect up to 4 displays, a keyboard, a mouse and sound devices (micro, speakers, headset). It offers also extra USB connection for any USB device that the operator would want to connect. The RGU and the interface board are linked by a fiber optic cable that can be up to 250 meter long (820 feet).

The dual-link version allows to connect a 2K x 2K monitor and an auxiliary monitor with resolution up to 1920 x 1200. This auxiliary monitor can be driven in landscape or partrait mode.
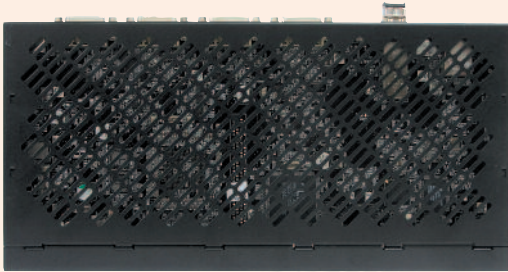
Matrox interface card
(PCI or PCIe)

Optic cable

System Administrator

Operations

RoHS · WEEE COMPLIANT

matrox™

Matrox ATC-RG series charateristics

Front
height: 1.15"
2.7cm

Back

Cable &
Connector

Top
width: 11.8"
30cm
height: 5.6"
14.5cm

Interface
Card

PCI

PCIe

Remote Graphics unit

Version	Dual link 2Kx2K	Single link Quad-Head	Single link Dual-Head
Outputs	2 x Dual-Link DVI-I	4 x Single-Link DVI	• 2 x Single-Link DVI
Supported resolutions	**Dual link output:** • 2048 x 2048 Digital • 2560 x 1600 **Analog Output:** • Up to 2048 x 2048 analog • Pivot fonctionnality	Up to 1920 x 1200 on each output (Analog or digital)	• Up to 1920 x 1200 on each output (Analog or digital)
OS Supported	WindowsXP, Linux, Solaris X86, (*)	WindowsXP, Linux, Solaris x86 (*)	WindowsXP, Linux, Solaris x86 (*)

* Contact Matrrox for other Operating Systems

Key features

- 6 USB 2.0 ports for keyboard, mouse, and other USB devices (4 in front and 2 in back)
- 2 stereo-audio line/SPDIF-output connectors (1/8" stereo mini jacks, 1 in front and 1 in back)
- 1 stereo-audio line-input connector (1/8" stereo mini jacks, in front)
- 1 microphone input (1/8" stereo mini jacks, in front)
- Passive cooling (heat sink with no fan) for silent operation, and extra reliability
- PCI and PCI Express (PCIe) fiber-optic interface cards
- Graphics memory: 128 MB
- 1 year warranty

Interface card

- PCI interface card: 32-bit
- PCIe interface card: PCI Express
- EMC certifications: Class A – ACA, CE, FCC, VCCI

Fiber-optic cable requirements

(optic cable and cable termination connectors are not included):
Dual-LC connector type
- Multi-mode compatibility
- 250 meters (820 feet) maximum length with high-bandwidth 50µm/125µm cable

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