

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 15, 2026

CURTISS-WRIGHT

Curtiss-Wright XMC-710 Dual Independent Output Graphics Controller

The Curtiss-Wright XMC-710 Dual Independent Output Graphics Controller is a module designed for demanding embedded applications, particularly within the aerospace and defense sectors. It leverages the NVIDIA GeForce Go 7700 (G73M) GPU to deliver solid graphics processing and supports dual independent display outputs. The XMC-710 adheres to the ANSI-VITA 42.3 XMC PCI Express (PCIe) standard, enabling straightforward integration with compatible host cards. This controller is engineered for rugged environments, offering features that support both legacy and modern video interfaces, as well as video capture capabilities. At Aumictech, we specialize in supplying high-end embedded graphics processing equipment. Whether you need reliable dual independent graphics outputs, solid video capture capabilities, or seamless integration with rugged deployed systems, our team ensures the Curtiss-Wright



MODEL

**Curtiss-Wright
XMC-710**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

XMC-710

LISTING

<https://aumictechlabs.com/products/xmc-710-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

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Technical Specifications

Graphics Processing Unit (GPU): NVIDIA GeForce Go 7700 (G73M) Memory: 512MB DDR2 SDRAM Host Interface: 8-lane PCI Express (PCIe) interface, compliant with ANSI-VITA 42.3 Standard PCIe Rev 1.0a Video Outputs (Dual Independent Channels): Non-interlaced RGB HV (up to two channels) Single-link DVI (up to two channels) Dual-link DVI support Interlaced outputs supporting RS-343, STANAG 3350 (A, B, and C), and RS-170 (up to two channels) TV output supporting NTSC or PAL (up to two channels) User-defined interlaced and non-interlaced modes DVI 1.0 Single link interface supporting standard VESA resolutions up to 1600 × 1200 @ 60Hz with reduced blanking Analog Output Synchronization: Separate H & V Composite Sync-on-Green or Sync-on-All (red/green/blue) Video Capture Input: One video capture input channel Supports Interlaced TV (NTSC/PAL), RS-170, and STANAG B&C * Note: When the input channel is utilized, only one FPGA output is available. Features: Video Integrity Monitoring (VIM) for display freeze detection Flexible I/O via PN6, PN4, or Front Panel Available in air-cooled and conduction-cooled ruggedization levels Software Support: Graphics Software Suite (GSS) X11/OpenGL ES 2.0 and SC 1.0 Application program interface (API) for accessing value-added features like VIM and custom video modes Support for PowerPC™ and Intel based host cards Operating systems supported include VxWorks 6.x, Linux, and Windows XP Electrical Requirements: VPWR (5V or 12V) 3.3V and 3.3V AUX +12V and -12V required for analog output channels Physical: XMC form factor

Why Choose Aumictech for Curtiss-Wright XMC-710 Dual Independent Output Graphics Controller? At Aumictech, we specialize in supplying high-end embedded graphics processing equipment. Whether you need reliable dual independent graphics outputs, solid video capture capabilities, or seamless integration with rugged deployed systems, our team ensures the Curtiss-Wright XMC-710 Dual Independent Output Graphics Controller delivers maximum performance for your application.

XMC710 Characteristics / Specifications

PARAMETER	VALUE
Model	XMC-710
Instrument Type	dual output graphics XMC
Form Factor	XMC VITA 42.3
GPU	NVIDIA G73M
Frame Buffer Interface	128 bit local
Graphics Memory Maximum	512 MB DDR2
Digital Output	DVI dual single link or single dual pixel link
Single Link Resolution Class	up to 1600 × 1200
Dual Link Single Head Class	up to 2560 × 1600 or 2048 × 2048
Interlaced Formats	NTSC PAL RS-170 RS-343 STANAG 3350 ABCAnalog Sync Modes: separateHandVcomposite or sync on RGB
Video Capture	supported
Video Integrity Monitoring	display freeze detection
Host Systems	VME VPX CompactPCI with XMC site
OS Support Examples	VxWorks 6.x Linux Windows XP
Graphics API Class	X11 OpenGL ES 2.0 SC 1.0 via GSS
I/O Routing	PN6 PN4 or front panel
Ruggedization	air cooled and conduction cooled levels
Primary Role	rugged dual head graphics mezzanine
Mezzanine Standard	VITA 42.3 XMC
Video Inputs Class	RGB STANAG NTSC PAL RS170 DVI
Cooling Options	air cooled and conduction cooled

XMC710 Specifications

PARAMETER	VALUE
Key Features	NVIDIA G73M GPU with 128 bit frame buffer interface
Technical Specifications	Model: XMC-710
Notes	Numeric rows from Curtiss-Wright XMC-710 product announcements and SoftScan/XMC-710 display controller descriptions.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Notes

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Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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NIST-traceable calibration · SAM registered ·
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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.