ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Find the *Abaco Systems PCIE-5565RC-200000* at our website: ***Click HERE***

PCIE-5565RC Interface Card

PCI Express (PCIe) Reflective Memory (RFM) Node Interface Card

DOWNLOAD DATASHEET (/DOWNLOAD/5565-REFLECTIVE-MEMORY-NODES-DATASHEET) **(/PRODUCTS/SALES/720/112)**

HOW CAN WE HELP?



OVERVIEW (#OVERVIEW)

TECH SPECS (#TECH-SPECS)

RELATED DOWNLOADS (#DOWNLOADS)

SUPPORT (#SUPPORT)

Overview

PCIE-5565RC is a PCI Express (PCIe) Reflective Memory node card that provides a high-speed, low latency, deterministic interface that allows data to be shared between up to 256 independent systems (nodes) in a Reflective Memory network at rates up to 170MB/s.

Each PCIe Reflective Memory board can be configured with 128 or 256MB of onboard SDRAM. The local SDRAM provides fast Read access times to stored data. Writes are stored in local SDRAM and broadcast over a high-speed fiber-optic data path to other Reflective Memory nodes. The transfer of data between nodes is software transparent, so not I/O overhead is required. Transmit and Receive FIFOs buffer data during peak data rates to optimize the host computer and bus performance to maintain high data throughput. Reflective Memory is an optical ring-based ultra high-speed shared memory network solution.

It allows a distributed network to share real-time data at a deterministic rate, regardless of bus structure and operating systems. Reflective Memory node cards are available in a variety of form factors, including PCI Express, PMC, PCI and VME.

- Error management and detection protects against data loss
- Up to 170 MB/s sustained data rate
- Deterministic transfer rate with only 450-500 nanoseconds of latency between nodes
- Supports dynamic packet sizes ranging from 4 to 64 bytes
- 2.12 Gbaud serial connection speed
- Supports interrupt transfers
- 128 or 256MB SDRAM
- RoHS compliant

Real-Time Networking with Reflective Memory

What is Reflective Memory? Where Do I Use Reflective Memory? How Do I Use Reflective Memory? Your questions are answered in this Whitepaper.

DOWNLOAD WHITE PAPER (/DOWNLOAD/REAL-TIME-NETWORKING-REFLECTIVE-MEMORY) **ALL WHITE PAPERS (/LIBRARY/WHITE-PAPERS)**

Specifications

FORM FACTOR
PCI Express

FUNCTION
Node

BIT RATE (GB/S)
2

OPERATING SYSTEM (OS) SUPPORT
Linux, VxWorks, Windows

MEMORY CAPACITY
128 or 256 MB SDRAM

Related Downloads

DATASHEET	5565 Reflective Memory Nodes Datasheet >
	RFM2g Datasheet >
	Ruggedization Levels Datasheet >
TECHNICAL DATASHEET	Multimode Fiber Optic Cables Datasheet >
MANUALS	PCIE-5565RC Hardware Reference Manual >
	RFM2g Operator's Reference >
WHITE PAPERS	Real-Time Networking with Reflective Memory >
SOFTWARE & DRIVERS	Reflective Memory OPC Server Software (Win 7) >
	RFM2g Linux 32/64-bit PCIE/PCI/PMC driver for x86 kernels R09.00 >
	RFM2g VxWorks PCIE/PCI/PMC Legacy Driver for Intel x86/PowerPC R7.01 >
	RFM2G VxWorks PCIE/PCI/PMC SMP driver for Intel x86 PowerPC R09.01 >
	RFM2g Windows 7/XP/Vista/Server 2008/Server 2003 32/64-bit PCIE/PCI/PMC driver for x86 R08.01 >
BROCHURES	2017 Product Selection Guide >
	Abaco Systems 2-page overview >
	Reflective Memory >

Can’t find what you’re looking for? Need help?

Head on over to our support pages, where you'll find key contacts, how to obtain documentation, information on warranty and repairs, contract samples, details of our Product Lifecycle Management and Configuration Management programs – and much more.

SUPPORT (/EMBEDDED-CONTACT-US)

WHAT WE DO

MISSION READY SYSTEMS (/PRODUCTS/MISSION-READY-SYSTEMS)
GRAPHICS & VIDEO (/PRODUCTS/GRAPHICS-AND-VIDEO)
NETWORK COMMUNICATIONS (/PRODUCTS/NETWORK-COMMUNICATIONS)
SINGLE BOARD COMPUTERS (SBC) (/PRODUCTS/SINGLE-BOARD-COMPUTERS-SBC)
ADVANCED RF & DSP SOLUTIONS (/PRODUCTS/ADVANCED-RF-DSP-SOLUTIONS)
AVIONICS (/PRODUCTS/AVIONICS)
I/O & STORAGE (/PRODUCTS/IO-AND-STORAGE)
ADVANCED INTEGRATED SOFTWARE DEVELOPMENT TOOL SUITE (/PRODUCTS/AXIS-ADVANCED-INTEGRATED-SOFTWARE-ENVIRONMENT)
FORM FACTOR (/FORM-FACTOR)
MANUFACTURING SERVICES (/MANUFACTURING)

HOW WE DO IT

ABACO ADVANTAGE (/ABACO-ADVANTAGE)
APPLICATIONS (/APPLICATIONS)
EXPERTISE (/EXPERTISE)
PARTNERS (/PARTNERS)
PROGRAM EXPERIENCE (/PROGRAM-EXPERIENCE)
QUALITY (/QUALITY-CERTIFICATIONS)
SAFETY CERTIFICATION (/SAFETY-CERTIFICATE)

KNOWLEDGE

BROCHURES (/LIBRARY/BROCHURES)
EBOOKS (/LIBRARY/EBOOKS)
WHITE PAPERS (/TAXONOMY/TERM/254/)
IN THE NEWS (/NEWS-ROOM)
EVENTS (/EVENTS)
FRONTLINE - CONNECT WITH ABACO (/SOCIAL)
CONNECTED BATTLEFIELD BLOG (/BLOG/CONNECTED-BATTLEFIELD)
LIBRARY (/LIBRARY)

WHO WE ARE (/OUR-COMPANY)

abaco (/)

BLOG | CAREERS | SUPPORT | LOGIN **CONTACT US**

With more than 30 years of experience, Abaco Systems is the global leader in open architecture rugged embedded systems. We deliver market-leading commercial off-the-shelf and custom products, together with best in class program lifecycle management. This, together with our 800+ professionals' unwavering focus on our customers' success, reduces program cost and risk, allows technology insertion with affordable readiness and enables platforms to successfully reach deployment sooner and with a lower total cost of ownership. With an active presence in hundreds of national asset platforms on land, sea and in the air, Abaco Systems is trusted where it matters most.

COOKIES (/COOKIES) | PRIVACY (/PRIVACY) | SECURITY (/SECURITY) | SITE MAP (/SITE-MAP) | TERMS (/TERMS-0) | © 2017 ABACO SYSTEMS

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP