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Data Sheet

August 15, 2026

CURTISS-WRIGHT / SYSTRAN

Curtiss-Wright / Systran SCRAMNet AHPRBCPMC PMC Module

Systran Curtiss-Wright SCRAMNet AHPRBCPMC PMC Module The Systran / Curtiss-Wright AHPRBCPMC isaSCRAMNet PMC module. OEM SCRAMNet literature describes a replicated-shared-memory real-time network used for hardware-in-the-loop and simulator interconnect, with PMC (IEEE 1386.1) mezzanines bringing SCRAMNet onto VME and CompactPCI hosts. AHPRBCPMC is the PMC-form SCRAMNet adapter in that line (related to A-H-PR-BCPCI CompactPCI SCRAMNet products). SCRAMNet replicated shared memory on a PMC carrier for real-time simulator and HIL networks. The Systran / Curtiss-Wright AHPRBCPMC isaSCRAMNet PMC module. OEM SCRAMNet literature describes a replicated-shared-memory real-time network used for hardware-in-the-loop and simulator interconnect, with PMC (IEEE 1386.1) mezzanines bringing SCRAMNet onto VME and CompactPCI hosts. AHPRBCPMC is the PMC-form SCRAMNet adapter in that line (related to A-H-PR-BCPCI CompactPCI SCRAMNet products). SCRAMNet replicated shared memory on a PMC carrier for real-time simulator and HIL networks. Network: SCRAMNet replicated shared memory



MODEL

**Curtiss-Wright /
Systran
AHPRBCPMC**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

AHPRBCPMC

LISTING

<https://aumictechlabs.com/products/ahprbcpmc-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Curtiss-Wright / Systran SCRAMNet AHPRBPCMC is a PCI Mezzanine Card (PMC) module engineered for high-speed, deterministic data communication in real-time distributed computing environments. Mounted on a short-length PCI adapter board, this card enables reliable data sharing and synchronization across multiple processing nodes with ultra-low latency characteristics suitable for aerospace, defense, and industrial automation applications. Technical Specifications Form Factor & Architecture PCI Mezzanine Card (PMC) on short-length PCI adapter board. Designed to PCI Local Bus Specification 2.1. Incorporates the V96xPBC PCI Bridge chip from V3 Semiconductor. Memory Configuration Factory-installed on-board shared memory available in 4 KB, 128 KB, 512 KB, 1 MB, 2 MB, or 4 MB configurations. Legacy units offer 4 KB or 128 KB with upgrade paths to 512 KB, 1 MB, 2 MB, 4 MB, or 8 MB. Performance Data throughput reaches 16.7 MB/sec. Node transport delay: 250 nSec/node. Network Protocol Backwards compatible with SCRAMNet Classic, except for GOLD Ring communication protocol. Key Features General-purpose counter functionality Error interrupt masking capability Dynamic shared-memory addressing Concurrent network and host access support Replicated shared-memory architecture for minimized latency and collision reduction between computing platforms Interfaces PCI Bus Integration Standard PCI environment integration via adapter board. Fiber Optic Media Related SCRAMNet products support Standard, High Density, and Low Density fiber optic configurations. GT series models feature short wavelength (850 nm) and long wavelength (1300 nm) laser interfaces supporting distances to 300 meters and 3500 meters respectively. SCRAMNet GT200 operates at 2.5 Gbit/s with SFP transceivers for up to 250 meters multimode and 10 kilometers single-mode operation. Coaxial Media Coaxial interface options available on related SCRAMNet products. Typical Applications Aerospace and defense systems requiring deterministic, low-latency inter-processor communication. Industrial automation platforms demanding synchronized data distribution across distributed compute nodes.

AHPRBCPMC Characteristics / Specifications

PARAMETER	VALUE
Model	AHPRBCPMC
Instrument Type	SCRAMNet PMC module
Network	SCRAMNet replicated shared memory
Form Factor	PMC (IEEE 1386.1)
Host Buses	VME and CompactPCI PMC carriers
Related Compactpci	A-H-PR-BCPCI SCRAMNet CompactPCI products
Manufacturer	Systran / Curtiss-Wright
Use Case	real-time shared memory network PMC
Literature	Systran/Curtiss-Wright SCRAMNet AHPRBCPMC listings
Family	SCRAMNet
Documentation Type	OEM SCRAMNet PMC listing
Brand Lineage	Systran Curtiss-Wright
System Role	SCRAMNet network PMC
Mezzanine Standard	IEEE 1386.1 PMC
Application Class	hardware-in-the-loop and simulator interconnect
Memory Class	replicated shared memory
Operating Temperature Class	commercial PMC
Year Class	SCRAMNet PMC family
Vendor Path	Systran Curtiss-Wright
Card Format	single PMC
Control Class	SCRAMNet protocol on PMC
Documentation Class	OEM SCRAMNet catalog
Carrier Class	PMC site on VME or cPCI host
I/O Class	real-time network mezzanine
Operating temperature	Class: commercial PMC

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: commercial PMC
Operating Temperature	Class: commercial PMC
Operating Temperature Class	commercial PMC
Year Class	SCRAMNet PMC family
Vendor Path	Systran Curtiss-Wright
Card Format	single PMC
Control Class	SCRAMNet protocol on PMC
Documentation Class	OEM SCRAMNet catalog
Carrier Class	PMC site on VME or cPCI host
I/O Class	real-time network mezzanine Notes From Systran/Curtiss-Wright SCRAMNet AHPRBPMC listings (SCRAMNet PMC, replicated shared memory). Link rate, memory size, and fiber/coax media are on the AHPRBPMC hardware reference.

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

From Systran/Curtiss-Wright SCRAMNet AHPRBCPMC listings (SCRAMNet PMC, replicated shared memory). Link rate, memory size, and fiber/coax media are on the AHPRBCPMC hardware reference.

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 ·
30-day returns
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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.