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Data Sheet

August 15, 2026

CURTISS-WRIGHT / SYSTRAN

Curtiss-Wright / Systran SCRAMNet AHSB-DPCIG08M-T PCI Module

The Curtiss-Wright/Systran SCRAMNet AHSB-DPCIG08M-T is a PCI module designed for real-time data sharing in demanding industrial applications. It facilitates high-speed, deterministic communication between multiple nodes, making it ideal for simulation, control, and data acquisition systems.

**MODEL****Curtiss-Wright /
Systran AHSB-
DPCIG08M-T****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****AHSB-DPCIG08M-
T****LISTING**[https://aumictechlabs.c
om/products/ahsb-dpci
g08m-t-2/](https://aumictechlabs.com/products/ahsb-dpcig08m-t-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Curtiss-Wright/Systran SCRAMNet AHSB-DPCIG08M-T is a PCI module engineered for deterministic, ultra-low-latency data sharing across multiple computing platforms in critical real-time applications. Built on replicated shared-memory architecture and ASIC-based core logic, it delivers precise synchronization and control essential for demanding industrial, laboratory, and military environments. Technical Specifications Product Family: SCRAMNET+ Network SC150e Series Interface: PCI Module Bridge Chip: V363EPC PCI Bridge (V3 Semiconductor) Core Logic: ASIC with message arbitration, network control, memory management, interrupt handling, error detection and correction, and node configuration Data Throughput: Up to 16.7 MB/sec

(SCRAMNet Classic); enhanced architecture in SC150e products optimizes DMA performance
Transport Delay: 250 nSec per node (SCRAMNet Classic); sub-microsecond system latency
(SCRAMNet GT); less than 1 μ sec per node (SCRAMNet GT) Shared Memory: Backward
compatible with SCRAMNet+ and original SCRAMNet Classic; SC150e series implements
enhanced architecture with bypassed ASIC read operations for improved performance;
SCRAMNet GT200 offers 128 MB shared memory Key Features Fiber-Optic Connectivity: 820 nm
interface supports maximum node separation of 300 m; 1300 nm interface supports maximum
node separation of 3500 m Media Flexibility: Coax or fiber-optic options Protocol Compatibility:
Backward compatible with SCRAMNet+ and SCRAMNet Classic (GOLD RING protocol excluded)
Operating System Support: Linux, Windows, VxWorks, Solaris, RTX, IRIX, MATLAB, and LabVIEW
Bus Architecture: PCI or VME implementations available Typical Applications Simulation systems,
real-time control platforms, and distributed data acquisition networks requiring microsecond-
scale latency and deterministic behavior. Compatibility & Integration The module integrates with
existing SCRAMNet+ and SCRAMNet Classic deployments, enabling phased system
modernization. SC150e enhancements maintain backward compatibility while delivering
performance improvements through optimized memory access patterns.

AHSBDPCIG08MT Characteristics / Specifications

PARAMETER	VALUE
Model	AHSB-DPCIG08M-T
Instrument Type	PCI reflective memory network module
Family	Systran SCRAMNet+ AHSB-DPCIG
Host Bus	PCI
Reflective Memory	8 MB
Related 2M	AHSB-DPCIG02M-T
Related 4M	AHSB-DPCIG04M-T
Related 8M	AHSB-DPCIG08M-T
Related Pmc	A-HS-DPMC02M-20 SCRAMNet PMC
Related Media	CTRSTDF SCRAMNet media card
Network	SCRAMNet+ fiber reflective memory ring
Form Factor	PCI card
Manufacturer	Systran / Curtiss-Wright
Use Case	real-time shared memory networking
Control	SCRAMNet API / memory-mapped window
Operating Temperature Class	commercial PCI
Literature	Curtiss-Wright Systran SCRAMNet AHSB-DPCIG08M-T listings
Protocol	SCRAMNet+ replicated memory
Media	fiber via media card
Documentation Type	OEM SCRAMNet PCI catalog
Brand Lineage	Systran Curtiss-Wright
System Role	PCI node on a SCRAMNet ring
Mapping	host PCI memory window onto the ring
Operating temperature	Class: commercial PCI

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: commercial PCI
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Operating Temperature Class	commercial PCI
Literature	Curtiss-Wright Systran SCRAMNet AHSB-DPCIG08M-T listings
Protocol	SCRAMNet+ replicated memory
Media	fiber via media card
Documentation Type	OEM SCRAMNet PCI catalog
Brand Lineage	Systran Curtiss-Wright
System Role	PCI node on a SCRAMNet ring
Mapping	host PCI memory window onto the ring Notes From Curtiss-Wright / Systran SCRAMNet AHSB-DPCIG08M-T PCI module catalog identity (8 MB). Ring rate, fiber type, and interrupt mapping are on the SCRAMNet+ PCI data sheet.

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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Family	Systran SCRAMNet+ AHSB-DPCIG
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Related Media	CTRSTDF SCRAMNet media card
Network	SCRAMNet+ fiber reflective memory ring
Form Factor	PCI card
Manufacturer	Systran / Curtiss-Wright
Use Case	real-time shared memory networking
Control	SCRAMNet API / memory-mapped window
Operating Temperature Class	commercial PCI
Literature	Curtiss-Wright Systran SCRAMNet AHSB-DPCIG08M-T listings
Protocol	SCRAMNet+ replicated memory
Media	fiber via media card
Documentation Type	OEM SCRAMNet PCI catalog
Brand Lineage	Systran Curtiss-Wright
System Role	PCI node on a SCRAMNet ring
Mapping	host PCI memory window onto the ring
Notes	
From Curtiss-Wright / Systran SCRAMNet AHSB-DPCIG08M-T PCI module catalog identity (8 MB). Ring rate, fiber type, and interrupt mapping are on the SCRAMNet+ PCI data sheet.	

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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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.