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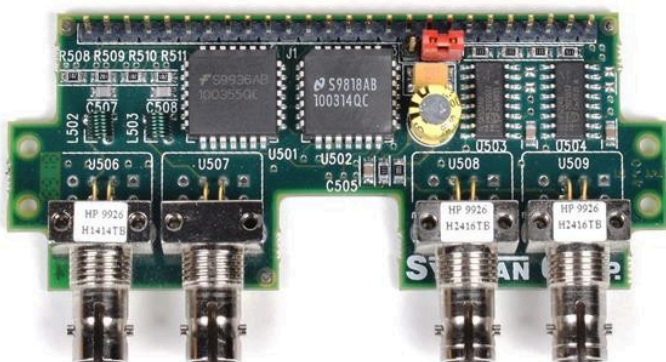
Data Sheet

August 15, 2026

CURTISS-WRIGHT / SYSTRAN

Curtiss-Wright / Systran SCRAMNet CTRSTDF Media Card

Curtiss-Wright Systran SCRAMNet CTRSTDF Fiber Media Card The Systran / Curtiss-Wright SCRAMNet CTRSTDF (A-H-PR-BCTRSTDF) is the standard-fiber media card for SCRAMNet+ PCI nodes such as A-H-PR-BCPCI. OEM SC150 PCI listings name media-card part numbers A-H-PR-BCTRSTDF-#-0-B1 and A-H-PR-BCTRSTDF-#-0-B4. Related SC150e BCPCI2 listings describe 820 nm fiber with 300 m maximum node separation and 1300 nm fiber with 3500 m maximum node separation on the fiber-optic interface family. Fiber media for SCRAMNet+ reflective-memory PCI/PMC nodes. The Systran / Curtiss-Wright SCRAMNet CTRSTDF (A-H-PR-BCTRSTDF) is the standard-fiber media card for SCRAMNet+ PCI nodes such as A-H-PR-BCPCI. OEM SC150 PCI listings name media-card part numbers A-H-PR-BCTRSTDF-#-0-B1 and A-H-PR-BCTRSTDF-#-0-B4. Related SC150e BCPCI2 listings describe 820 nm fiber with 300 m maximum node separation and 1300 nm fiber with 3500 m maximum node separation on the fiber-optic interface family. Fiber media for SCRAMNet+ reflective-memory PCI/PMC nodes. Instrument Type: SCRAMNet fiber media card



MODEL

**Curtiss-Wright /
Systran CTRSTDF**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

CTRSTDF

LISTING

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

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Curtiss-Wright/Systran SCRAMNet CTRSTDF Media Card is a fiber-optic and coaxial communication interface for deterministic, low-latency data sharing in real-time networked systems. This standard fiber-optic media access card enables rapid inter-node communication with transport delays as low as 250 nSec per node, supporting network bandwidths up to 16.7 MB/sec. Available in passive PMC, expanded, and direct-attached P2 form factors, the CTRSTDF maintains chassis shielding while providing external media connectivity for simulation, industrial control, and data acquisition applications.

Technical Specifications

Data Transfer Performance

Maximum data throughput: 16.7 MB/sec (SCRAMNet+ series); 210+ MB/sec (SCRAMNet GT200)

Node latency: 250 nSec – 800 nSec (4-byte packets); 250 nSec – 1.5 μ Sec (16-byte packets) for SCRAMNet+ series

Network bandwidth: 6.5 MB/sec to 12 MB/sec depending on packet size

Per-node transport delay: 250 nSec

Media and Connectivity

Transmission media: Coaxial (paired conductor) or fiber optic (62.5 μ m core multimode)

Coaxial maximum node separation: 30 meters with SMA connectors

Standard fiber maximum node separation: 300 meters with ST connectors

Long-link fiber maximum separation: Up to 3500 meters (SCRAMNet+); up to 10 km (SCRAMNet GT200 with singlemode transceivers at 1300 nm)

SCRAMNet GT200 transceiver support: Industry-standard SFP modules (850 nm multimode for 300 m; 1300 nm singlemode for 10 km)

Memory Configuration

Shared-memory options: 4 KB, 128 KB, 512 KB, 1 MB, 2 MB, 4 MB, 8 MB

SCRAMNet GT200 memory: 128 MB

Environmental

Operating temperature: 0°C to 40°C

Key Features

Passive PMC, expanded, and direct-attached P2 configurations

Coaxial and fiber-optic connectivity with external media access

Conduction-cooled variants available for SCRAMNet GT200

Cabinet relocation kits for optimal fiber routing and status monitoring

Typical Applications

Real-time simulation, deterministic industrial control systems, synchronized multi-node data acquisition, and low-latency distributed computing environments.

Compatibility & Integration

Supports VME, EISA, ISA, and PCI architectures with legacy OS compatibility including VxWorks®, LynxOS™, Windows 95, and UNIX variants (HP-UX, IRIX, Digital UNIX).

CTRSTDF Characteristics / Specifications

PARAMETER	VALUE
Model	CTRSTDF
Instrument Type	SCRAMNet fiber media card
Full Part Class	A-H-PR-BCTRSTDF
Host Node	A-H-PR-BCPCI SC150 PCI
Related Node	A-H-PR-BCPCI2 SC150e PCI
Family	SCRAMNet+ Network SC150
Fiber Class 820 Nm	820 nm fiber-optic interface, 300 m maximum node separation (SC150e family listing)
Fiber Class 1300 Nm	1300 nm fiber-optic interface, 3500 m maximum node separation (SC150e family listing)
Form Factor	SCRAMNet media mezzanine / card
Manufacturer	Systran / Curtiss-Wright
Use Case	optical media for reflective memory
Control	host SCRAMNet node
Operating Temperature Class	commercial
Literature	Systran SCRAMNet A-H-PR-BCTRSTDF media-card listings
Network	SCRAMNet+ replicated shared memory
Documentation Type	OEM SCRAMNet media catalog
Brand Lineage	Systran Curtiss-Wright
System Role	fiber media for SCRAMNet PCI
Related Pmc	A-HS-DPMC02M-20
Revisions Listed	B1 and B4 media-card suffixes
Host Bus	via SCRAMNet PCI/PMC node
Pci Host Size	4.200 in x 9.500 in SC150 PCI board
Operating temperature	Class: commercial

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: commercial
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Operating Temperature Class	commercial
Literature	Systran SCRAMNet A-H-PR-BCTRSTDF media-card listings
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Brand Lineage	Systran Curtiss-Wright
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Related Pmc	A-HS-DPMC02M-20
Revisions Listed	B1 and B4 media-card suffixes
Host Bus	via SCRAMNet PCI/PMC node
Pci Host Size	4.200 in x 9.500 in SC150 PCI board Notes From Systran/Curtiss-Wright SCRAMNet CTRSTDF / A-H-PR-BCTRSTDF media-card listings on SC150 PCI. Connector type (ST/SC) and exact launch power are on the SCRAMNet media-card data sheet; 300 m / 3500 m spacings are from the related SC150e fiber-interface family listing.

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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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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

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.