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Data Sheet

August 15, 2026

CURTISS-WRIGHT

Curtiss-Wright DHAS-MBS1616 Multiplex Bus Switch

The Curtiss-Wright DHAS-MBS1616 is a Multiplex Bus Switch designed for solid data handling in demanding environments. This switch facilitates efficient data routing and management within complex systems, ensuring reliable performance and seamless integration. Ideal for aerospace, defense, and industrial applications requiring high-integrity data communication.



MODEL

**Curtiss-Wright
DHAS-MBS1616**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

DHAS-MBS1616

LISTING

<https://aumictechlabs.com/products/dhas-mbs1616-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Curtiss-Wright DHAS-MBS1616 is a 16×16 crosspoint switch designed for MIL-STD-1553 avionics bus environments. It functions as a virtual patch panel within a compact 1U rack-mountable chassis, enabling dynamic routing between 16 transformer-coupled LRU ports and 16 MIL-STD-1553 differential buses without physical rewiring. The switch supports MIL-STD-1553A, MIL-STD-1553B, and mixed-device environments, accommodating LRU units configured as bus controllers (BC), remote terminals (RT), or bus monitors (BM). Technical Specifications Configuration: 16×16 crosspoint switch Chassis: 19" rack-mountable, 1U height LRU Ports: Up to 16 transformer-coupled inputs via standard concentric twinax connectors Bus Connections: Up to 16 MIL-STD-1553 differential bus outputs via standard concentric twinax connectors Control

Interface: EIA-232 (RS-232) out-of-band port Supported Standards: MIL-STD-1553A, MIL-STD-1553B, mixed-device operation NSN: 5998-01-608-8068 Key Features Single-path switching - each LRU port connects to one bus at a time Relay-based physical disconnection of idle LRU and bus coupling elements Non-volatile configuration memory with automatic restoration to last working state after power-up Command-line interface (CLI) with on-line help and scripting support (PERL, TCL) Transformer-coupled LRU support only; direct-coupled devices not compatible Supports both non-redundant and redundant (dual or greater) device configurations Typical Applications Avionics test systems, MIL-STD-1553 bus simulation environments, LRU functional validation, multidevice integration testing, and aerospace defense system development. Compatibility & Integration Designed for transformer-coupled MIL-STD-1553 devices. External power supply required. Integrates into larger test infrastructure via RS-232 control port and supports automated test sequences through CLI scripting.

DHASMBS1616 Characteristics / Specifications

PARAMETER	VALUE
Model	DHAS-MBS1616
Instrument Type	Multiplex bus switch
Matrix Size	16 × 16
Family	Curtiss-Wright DHAS
Function	multiplex bus switch / digital bus routing
Manufacturer	Curtiss-Wright
Use Case	high-speed digital bus switching
Literature	Curtiss-Wright DHAS-MBS1616 listings
Documentation Type	OEM DHAS-MBS1616 listing
Brand Lineage	Curtiss-Wright
System Role	multiplex bus switch
Form Factor	DHAS family module
Related Systran	Systran/Curtiss IndustryPack and PMC I/O siblings
Switch Class	multiplex bus
Port Count Class	16 × 16
Embedded Class	Curtiss-Wright embedded/test I/O
Routing Class	switched interconnect among bus ports
Operating Temperature Class	commercial/rugged DHAS family
Year Class	DHAS multiplex switch family
Vendor Path	Curtiss-Wright
Card Format	DHAS multiplex switch module
I/O Class	digital multiplex bus
Documentation Class	OEM DHAS catalog
Control Class	DHAS system control of switch paths
Application Class	digital bus routing in embedded test

PARAMETER	VALUE
Operating temperature	Class: commercial/rugged DHAS family

DHASMBS1616 Specifications

PARAMETER	VALUE
Applications	16×16 digital multiplex bus routing in Curtiss-Wright DHAS systems.
Key Features	16 × 16 multiplex bus switch
Technical Specifications	Model: DHAS-MBS1616

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: commercial/rugged DHAS family
Operating Temperature	Class: commercial/rugged DHAS family
Operating Temperature Class	commercial/rugged DHAS family
Year Class	DHAS multiplex switch family
Vendor Path	Curtiss-Wright
Card Format	DHAS multiplex switch module
I/O Class	digital multiplex bus
Documentation Class	OEM DHAS catalog
Control Class	DHAS system control of switch paths
Application Class	digital bus routing in embedded test Notes From Curtiss-Wright DHAS-MBS1616 listings (16×16 multiplex bus switch). Path bandwidth, connector type, and control protocol are on the DHAS-MBS1616 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

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