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Data Sheet

August 15, 2026

CYTEC / AD DATA SYSTEMS

Cytec / AD Data Systems 56E Switching Matrix

The 56E isaCytec / AD Data Systems switching matrix. OEM Cytec 56E listings describe a programmable analog/RF switching matrix for ATE, with relay or solid-state crosspoints under GPIB/RS-232 class control. Sibling 230122-112 is a single-pole register-based VXI switch in the same remaining Cytec set. Crosspoint count, bandwidth, and path resistance are on the 56E data sheet and are not invented here. Programmable switching matrix for ATE signal routing. Literature: Cytec 56E switching-matrix listings Programmable switching matrix for ATE signal routing. Literature: Cytec 56E switching-matrix listings Sibling Vxi: 230122-112 single-pole register-based VXI switch Form Factor: switching-matrix mainframe/module



MODEL

Cytec / AD Data Systems 56E

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

56E

LISTING

<https://aumictechlabs.com/products/56e-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Cytec/AD Data Systems 56E Switching Matrix is a modular signal routing platform built on a motherboard backplane architecture. It supports up to 10,000 single or two-wire closures configured for matrix or switching applications. Control is available via remote latch/unlatch commands or optional manual front panel operation. The standard configuration includes a Control Chassis with 200 base latchpoints and 10 switch modules, both expandable. Expansion Chassis units scale capacity to 400 latchpoints and 20 modules per unit, enabling systems up to 1,000 latchpoints with one Standard and two Expansion Chassis. Technical Specifications Architecture: Modular motherboard backplane design Closure Capacity: Up to 10,000 single or

two-wire closures Base Configuration: 200 latchpoints, 10 switch modules Expansion Chassis: Up to 400 latchpoints and 20 switch modules per unit Switch Modules: Plug-in circuit boards providing 20 latchpoints each; VHF High Isolation/Low Leakage and High Power variants available Power: Standard DC supply supports 120 crosspoint latching simultaneously; optional 400-crosspoint power available in Standard Control Chassis (incompatible with Option K) Voltage/Current Capability: Up to 1,000 V and 8 A on general purpose switching relays High Voltage Applications: Systems rated to 5,000 VAC with custom configurations available Coaxial/RF Switching: Up to 2 GHz for 50 or 75 ohm applications Microwave Switching: Frequencies to 40 GHz Digital Switching: Data rates to 3.2 Gbps NRZ (RS422, ECL, PECL, LVDS, CML) Network: RJ45 connectors supporting Ethernet, LAN, WAN, RS422, USB, Telephony, and DSL Key Features Flexible multi-input to multi-output signal distribution Remote or manual closure control Modular design simplifies field expansion and service Relay options include standard reed, armature, power armature, high voltage, and low thermal types Typical Applications Complex signal routing in test and measurement systems RF and microwave signal switching High-voltage circuit validation Digital and network signal distribution General-purpose electronic system switching

56E Characteristics / Specifications

PARAMETER	VALUE
Model	56E
Instrument Type	Switching matrix
Family	Cytec 56E
Manufacturer	Cytec / AD Data Systems
Literature	Cytec 56E switching-matrix listings
System Role	ATE signal routing
Use Case	programmable analog/RF matrix
Control Class	GPIB/RS-232 class
Sibling Vxi	230122-112 single-pole register-based VXI switch
Form Factor	switching-matrix mainframe/module
Documentation Type	56E listing
Brand Lineage	Cytec / AD Data Systems
Application Class	ATE switching
Related	Cytec matrix family
Connector Class	matrix I/O plus remote
Host Class	ATE rack
Year Class	56E
Ate Class	switching matrix
Module Class	programmable matrix
Path Class	relay/solid-state crosspoints (data sheet)
Bandwidth Class	matrix bandwidth (data sheet)
Resistance Class	path resistance (data sheet)
Io Class	matrix I/O
Register Class	programmed crosspoints
Bandwidth	Class: matrix bandwidth (data sheet)

56E Specifications

PARAMETER	VALUE
Cytec 56E Switching Matrix	Overview
Key Features	Cytec 56E switching matrix
Programmable ATE crosspoints	GPIO/RS-232 class control
Technical Specifications	Model: 56E
Notes	From Cytec 56E switching-matrix listings. Crosspoint count, bandwidth, and path resistance are on the 56E data sheet; do not invent them.

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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Io Class	matrix I/O
Register Class	programmed crosspoints

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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NIST-traceable calibration · SAM registered ·
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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.