


Aumictech

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 12, 2026

ASTRONICS / EADS / RACAL

Astronics / EADS / Racal 1260-45B High-Density Switch Matrix (Option 01 or 01T Compatible)

Astronics / EADS / Racal VXI Modules. Voltage: 300 VDC or ACrms (terminal-terminal or terminal-ch, Current: 1 ADC or ACrms per channel, Bandwidth: 25 MHz (4×16 and 4×32 configs).



MODEL

**Astronics / EADS /
Racal 1260-45B**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

1260-45B

LISTING

<https://aumictechlabs.com/products/1260-45b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Astronics/EADS/Racal 1260-45B is a high-density signal routing switch matrix housed in a C-size, single-slot VXIbus module. It delivers configurable two-wire matrix topologies - most notably two 4×32 configurations - supporting applications requiring flexible signal path selection across eleven possible matrix arrangements. The module handles switching loads up to 300 VDC/ACrms and 1 A per channel, with maximum path resistance of 500 mΩ and isolation exceeding 2 GΩ.

Technical Specifications Electrical Performance Maximum switchable voltage: 300 VDC or ACrms (terminal-terminal or terminal-chassis) Maximum switchable current: 1 ADC or ACrms per channel Maximum switchable power: 30 WDC, 62.5 VA per channel Path resistance: ≤500 mΩ Isolation: >2 GΩ AC Performance (50 Ω) Capacitance (Hi to Lo): <50 pF open, <80 pF closed Bandwidth: 25 MHz (4×16 and 4×32 configs), 20 MHz (4×64 config), 10 MHz (16×16 config) Crosstalk at 1 MHz:

<-50 dB Physical & Environmental Form factor: C-size, single-slot VXIbus module Weight: 3.07 lb (1.38 kg) without Option 01; 3.35 lb (1.51 kg) with Option 01 Cooling: 1.0 liters/sec airflow, 0.05 mm H₂O backpressure (2.0 liters/sec and 0.2 mm H₂O with Option 01S/T) Key Features Eleven configurable matrix topologies; 1260-45B optimized for dual 4×32 two-wire matrices Non-latching guard relays at matrix row inputs - safety feature that opens signal paths on power loss Latching relay bypass option via jumpers for continuous signal routing IDC ribbon cable or discrete wire crimp connectors; one mating connector set included Typical Applications Automated test equipment signal switching and routing Multi-channel signal path selection in production and validation environments Applications requiring DC and low-frequency AC signal switching with isolation and low crosstalk Compatibility & Integration The 1260-45B operates with Option 01 (native command set) or Option 01T (SCPI command set) smart controllers, providing both message-based and register-based control interfaces for integration into VXIbus test systems.

Features & description

From manufacturer datasheet

Technical Specifications Electrical Performance

Maximum switchable voltage: 300 VDC or ACrms (terminal-terminal or terminal-chassis) Maximum switchable current: 1 ADC or ACrms per channel Maximum switchable power: 30 WDC, 62.5 VA per channel Path resistance: $\leq 500\text{ m}\Omega$ Isolation: $>2\text{ G}\Omega$ AC Performance (50 Ω) Capacitance (Hi to Lo): $<50\text{ pF}$ open, $<80\text{ pF}$ closed Bandwidth: 25 MHz (4×16 and 4×32 configs), 20 MHz (4×64 config), 10 MHz (16×16 config) Crosstalk at 1 MHz: $<-50\text{ dB}$ Physical & Environmental Form factor: C-size, single-slot VXIbus module Weight: 3.07 lb (1.38 kg) without Option 01; 3.35 lb (1.51 kg) with Option 01 Cooling: 1.0 liters/sec airflow, 0.05 mm H₂O backpressure (2.0 liters/sec and 0.2 mm H₂O with Option 01S/T)

Key Features

Eleven configurable matrix topologies; 1260-45B optimized for dual 4×32 two-wire matrices Non-latching guard relays at matrix row inputs - safety feature that opens signal paths on power loss Latching relay bypass option via jumpers for continuous signal routing IDC ribbon cable or discrete wire crimp connectors; one mating connector set included

Astronics / EADS / Racal 1260-45B — Repair & Calibration Service

Aumictech offers NIST-traceable calibration and repair for the Astronics / EADS / Racal 1260-45B. Calibration covers all module-specific parameters per manufacturer datasheet, output accuracy and linearity, frequency accuracy, and VXI register and trigger bus compliance. All calibrations ship with a NIST-traceable certificate. Turnaround is typically 1–3 business days after receipt. Standard Cal Pass/fail cert + NIST sticker Cal with Data Full NIST cert with measured values Common Astronics / EADS / Racal 1260-45B faults: relay contact wear, DAC/ADC drift, VXI backplane connector oxidation. Common faults include relay contact wear, DAC or ADC gain drift, and VXI backplane edge connector oxidation. Most modules are repaired at the component level with full post-repair verification in a C-size or D-size mainframe. [Request Calibration](#) → [Request Repair Quote](#) →

Astronics / EADS / Racal 1260-45B price

This Astronics / EADS / Racal 1260-45B is listed at . Calibration is available separately from . Contact us for volume pricing or if you need multiple units.

Astronics / EADS / Racal 1260-45B calibration cost

NIST-traceable calibration for the Astronics / EADS / Racal 1260-45B is (standard — pass/fail certificate and calibration sticker) or (full measured data at every test point, reference standards documented, traceability chain included). Calibration for this instrument covers all module-specific parameters per manufacturer datasheet, output accuracy and linearity, frequency accuracy, and VXI

register and trigger bus compliance. Turnaround is 1 to 3 business days after receipt. See full calibration details →

Applications

Automated test equipment signal switching and routing Multi-channel signal path selection in production and validation environments Applications requiring DC and low-frequency AC signal switching with isolation and low crosstalk

Unit notes

The Astronics/EADS/Racal 1260-45B is a high-density signal routing switch matrix housed in a C-size, single-slot VXIbus module. It delivers configurable two-wire matrix topologies - most notably two 4×32 configurations - supporting applications requiring flexible signal path selection across eleven possible matrix arrangements. The module handles switching loads up to 300 VDC/ACrms and 1 A per channel, with maximum path resistance of 500 mΩ and isolation exceeding 2 GΩ. Technical Specifications

Electrical Performance Maximum switchable voltage: 300 VDC or ACrms (terminal-terminal or terminal-chassis) Maximum switchable current: 1 ADC or ACrms per channel Maximum switchable power: 30 WDC, 62.5 VA per channel Path resistance: ≤500 mΩ Isolation: >2 GΩ AC Performance (50 Ω) Capacitance (Hi to Lo): <50 pF open, <80 pF closed Bandwidth: 25 MHz (4×16 and 4×32 configs), 20 MHz (4×64 config), 10 MHz (16×16 config) Crosstalk at 1 MHz: <-50 dB Physical & Environmental Form factor: C-size, single-slot VXIbus module Weight: 3.07 lb (1.38 kg) without Option 01; 3.35 lb (1.51 kg) with Option 01 Cooling: 1.0 liters/sec airflow, 0.05 mm H₂O backpressure (2.0 liters/sec and 0.2 mm H₂O with Option 01S/T) Key Features Eleven configurable matrix topologies; 1260-45B optimized for dual 4×32 two-wire matrices Non-latching guard relays at matrix row inputs - safety feature that opens signal paths on power loss Latching relay bypass option via jumpers for continuous signal routing IDC ribbon cable or

1260-45B Specifications

PARAMETER	VALUE
Frequency Range	DC to 25 MHz Voltage / Current Range: 1 ADC/ACrms per channel, 300 VDC/ACrms
Maximum switchable voltage	300 VDC or ACrms (terminal-terminal or terminal-chassis)
Maximum switchable current	1 ADC or ACrms per channel
Maximum switchable power	30 WDC, 62.5 VA per channel
Path resistance	≤500 mΩ
Isolation	>2 GΩ AC Performance (50 Ω)
Capacitance (Hi to Lo)	<50 pF open, <80 pF closed
Bandwidth	25 MHz (4×16 and 4×32 configs), 20 MHz (4×64 config), 10 MHz (16×16 config)
Crosstalk at 1 MHz	<-50 dB Physical & Environmental
Form factor	C-size, single-slot VXLbus module
Weight	3.07 lb (1.38 kg) without Option 01; 3.35 lb (1.51 kg) with Option 01
Cooling	1.0 liters/sec airflow, 0.05 mm H ₂ O backpressure (2.0 liters/sec and 0.2 mm H ₂ O with Option 01S/T)

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.

Astronics / EADS / Racal VXI Modules. Voltage: 300 VDC or ACrms (terminal-terminal or terminal-ch, Current: 1 ADC or ACrms per channel, Bandwidth: 25 MHz (4x16 and 4x32 configs).

The Astronics/EADS/Racal 1260-45B is a high-density signal routing switch matrix housed in a C-size, single-slot VXIbus module. It delivers configurable two-wire matrix topologies - most notably two 4x32 configurations - supporting applications requiring flexible signal path selection across eleven possible matrix arrangements. The module handles switching loads up to 300 VDC/ACrms and 1 A per channel, with maximum path resistance of 500 mΩ and isolation exceeding 2 GΩ.

Maximum switchable voltage: 300 VDC or ACrms (terminal-terminal or terminal-chassis)

Bandwidth: 25 MHz (4x16 and 4x32 configs), 20 MHz (4x64 config), 10 MHz (16x16 config)

1260-45B Specifications

PARAMETER	VALUE
Frequency Range	DC to 25 MHz Voltage / Current Range: 1 ADC/ACrms per channel, 300 VDC/ACrms
Maximum switchable voltage	300 VDC or ACrms (terminal-terminal or terminal-chassis)
Maximum switchable current	1 ADC or ACrms per channel
Maximum switchable power	30 WDC, 62.5 VA per channel
Path resistance	≤500 mΩ
Isolation	>2 GΩ AC Performance (50 Ω)
Capacitance (Hi to Lo)	<50 pF open, <80 pF closed
Bandwidth	25 MHz (4x16 and 4x32 configs), 20 MHz (4x64 config), 10 MHz (16x16 config)
Crosstalk at 1 MHz	<-50 dB Physical & Environmental
Form factor	C-size, single-slot VXIbus module
Weight	3.07 lb (1.38 kg) without Option 01; 3.35 lb (1.51 kg) with Option 01
Cooling	1.0 liters/sec airflow, 0.05 mm H ₂ O backpressure (2.0 liters/sec and 0.2 mm H ₂ O with Option 01S/T)

Technical Specifications Electrical Performance

Maximum switchable voltage: 300 VDC or ACrms (terminal-terminal or terminal-chassis)

Maximum switchable current: 1 ADC or ACrms per channel

Maximum switchable power: 30 WDC, 62.5 VA per channel

Path resistance: ≤500 mΩ

Isolation: >2 GΩ AC Performance (50 Ω)

Capacitance (Hi to Lo): <50 pF open, <80 pF closed

Bandwidth: 25 MHz (4x16 and 4x32 configs), 20 MHz (4x64 config), 10 MHz (16x16 config)

Crosstalk at 1 MHz: <-50 dB Physical & Environmental

Form factor: C-size, single-slot VXIbus module

Weight: 3.07 lb (1.38 kg) without Option 01; 3.35 lb (1.51 kg) with Option 01

Cooling: 1.0 liters/sec airflow, 0.05 mm H₂O backpressure (2.0 liters/sec and 0.2 mm H₂O with Option 01S/T)

Key Features

Eleven configurable matrix topologies; 1260-45B optimized for dual 4×32 two-wire matrices

Non-latching guard relays at matrix row inputs - safety feature that opens signal paths on power loss

Latching relay bypass option via jumpers for continuous signal routing

IDC ribbon cable or discrete wire crimp connectors; one mating connector set included

Astronics / EADS / Racal 1260-45B – Repair & Calibration Service

Aumictech offers NIST-traceable calibration and repair for the Astronics / EADS / Racal 1260-45B. Calibration covers all module-specific parameters per manufacturer datasheet, output accuracy and linearity, frequency accuracy, and VXI register and trigger bus compliance. All calibrations ship with a NIST-traceable certificate. Turnaround is typically 1-3 business days after receipt.

Standard Cal Pass/fail cert + NIST sticker Cal with Data Full NIST cert with measured values

Common Astronics / EADS / Racal 1260-45B faults: relay contact wear, DAC/ADC drift, VXI backplane connector oxidation. Common faults include relay contact wear, DAC or ADC gain drift, and VXI backplane edge connector oxidation. Most modules are repaired at the component level with full post-repair verification in a C-size or D-size mainframe.

[Request Calibration](#) → [Request Repair Quote](#) →

Astronics / EADS / Racal 1260-45B price

This Astronics / EADS / Racal 1260-45B is listed at . Calibration is available separately from . Contact us for volume pricing or if you need multiple units.

Astronics / EADS / Racal 1260-45B calibration cost

NIST-traceable calibration for the Astronics / EADS / Racal 1260-45B is (standard – pass/fail certificate and calibration sticker) or (full measured data at every test point, reference standards documented, traceability chain included). Calibration for this instrument covers all module-specific parameters per manufacturer datasheet, output accuracy and linearity, frequency accuracy, and VXI register and trigger bus compliance. Turnaround is 1 to 3 business days after receipt. See [full calibration details](#) →

Applications

Automated test equipment signal switching and routing

Multi-channel signal path selection in production and validation environments

Applications requiring DC and low-frequency AC signal switching with isolation and low crosstalk

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
NAICS 423690 · 811210 · 541380
Generated August 12, 2026

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