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Data Sheet

August 2, 2026

ASTRONICS / EADS / RACAL

Astronics / EADS / Racal 1260-38T High Density Multiplexer Module (Option 01 or 01T Compatible)

The Astronics 1260-38T is a high-density multiplexer module designed for efficient data transmission and signal routing. Compatible with Option 01 and 01T configurations, it provides reliable performance in demanding applications. Ideal for aerospace, defense, and industrial environments requiring solid and versatile multiplexing capabilities.

**MODEL****Astronics / EADS /
Racal 1260-38T****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****1260-38T****LISTING**<https://aumictechlabs.com/products/1260-38t-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Astronics/EADS/Racal 1260-38T is a high-density multiplexer module designed for signal routing and data transmission in automated test equipment, continuity testing, and telecommunications systems. This C-size single-slot VXIbus module supports user-configurable multiplexer topologies ranging from sixteen independent 1×8 units to cascaded 1×128 configurations under program control. Both two-wire and four-wire switching modes are supported across a bandwidth exceeding 30 MHz, with insertion loss below 0.1 dB at 100 kHz and isolation greater than 45 dB at 10 MHz. Electromechanical relays provide switching capability up to 220 VDC/VAC at 2 A maximum, with total power handling to 60 W or 125 VA. The module integrates VXIplug&play drivers for LabWindows/CVI and LabVIEW frameworks, requiring a Racal

Instruments Option 01 or Option 01T switch controller for operation. Technical Specifications Form Factor: C-size, single-slot VXIbus module Multiplexer Configurations: Sixteen 1×8 units; cascadable to 1×128 Switching Modes: Two-wire and four-wire Bandwidth (-3 dB): >30 MHz (1×8 configuration) Insertion Loss: <0.1 dB @ 100 kHz; <0.25 dB @ 1 MHz (1×8); <0.2 dB @ 1 MHz (1×128); 45 dB @ 10 MHz (1×8) Crosstalk: <-50 dB @ 10 MHz (1×8) Maximum Switching Voltage: 220 VDC or 220 VAC Maximum Switching Current: 2 ADC or 2 AAC Maximum Switching Power: 60 W; 125 VA Path Resistance: <750 MΩ (1×8, two-wire) Insulation Resistance: 10⁹ Ω Thermal EMF: <15 μV (1×8, two-wire) Capacitance: <5 pF channel to chassis (1×8) Switching Time: <5 ms maximum Key Features Electromechanical relay-based architecture Front panel guard grounds minimize crosstalk and enhance isolation Operating temperature range: 0°C to 55°C Storage temperature range: -40°C to 75°C Shock rating: 30 g, 11 ms, ½ sine wave Vibration: 0.013 in. peak-to-peak, 5–55 Hz CE Mark compliance for RF emissions and electrical safety Compatibility & Integration Requires Racal Instruments Option 01 (native command set) or Option 01T (message-based and register-based operation). VXIplug&play support included for Microsoft Win32 API-based frameworks.

Features & description

From manufacturer datasheet

Features

- Sixteen 1×8 two-wire scanner/multiplexers • Link under program control up to 1×128 (2-wire) or 1×64 (4-wire) • About 30 MHz bandwidth (1×8) • Switches up to 2 A; 220 VDC / 250 VAC class • High isolation / low crosstalk shielded design • Option 01 or 01T compatible (01T preferred for new systems)
- Scan lists with VXI TTL triggers (01T) • VXIplug&play / LabVIEW / LabWindows support • Two 160-pin DIN front connectors

126038T Characteristics / Specifications

PARAMETER	VALUE
Model	1260-38T
Manufacturer	Astronics Test Systems / EADS / Racal Instruments
Instrument Type	Shielded high-density VXIbus multiplexer/scanner
Form Factor	C-size, single-slot VXI
Configuration	sixteen 1×8 two-wire; expandable to 1×128 two-wire or 1×64 four-wire
Max Switching Voltage	220 VDC or 220/250 VAC class
Max Switching Current	2 A DC or 2 A AC
Max Switching Power	60 W, 125 VA
Path Resistance	1×8 (2-wire) <750 mOhm class; 1×128 (2-wire) <1 Ohm
Thermal EMF	1×8 <15 uV; larger configs <20 uV class
Isolation (1×8)	>45 dB at 10 MHz; >30 dB at 30 MHz
Crosstalk (1×8)	<-50 dB at 10 MHz; <-34 dB at 30 MHz
Switching Time	<5 ms max including settling
Rated Operations	mechanical 100,000,000; electrical 100,000 at full load
Operating Temperature	0 to 55 C
Storage	-40 to 75 C
Weight	about 3.2 lb without Option 01/01T; 3.5 lb with
Power	+5 V and +24 V loads depend on Option 01/01T and energized relays
Ordering	407410-001 (1260-38T) Standard Operating Conditions Install Option 01 or 01T in the leftmost 1260-series module. Use mating 160-pin connectors/cables rated for the signal levels. Observe cooling airflow for modules with Option 01T installed.
User title notes Option 01 or 01T compatibility	prefer 01T for new SCPI/register-based systems; keep Option 01 for legacy command-set software.
Bandwidth	is greater than 30 MHz in 1×8 configuration (greater than 2 MHz at 1×128). Switching capability is up to 2 A and 220 VDC / 250 VAC class (60 W / 125 VA). Option 01 or Option 01T smart controller is required; Option 01T is recommended for new applicat

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	0 to 55 C
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Storage	-40 to 75 C
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Power	+5 V and +24 V loads depend on Option 01/01T and energized relays
Ordering	407410-001 (1260-38T) Standard Operating Conditions Install Option 01 or 01T in the leftmost 1260-series module. Use mating 160-pin connectors/cables rated for the signal levels. Observe cooling airflow for modules with Option 01T installed.
User title notes Option 01 or 01T compatibility	prefer 01T for new SCPI/register-based systems; keep Option 01 for legacy command-set software.

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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PARAMETER	VALUE
Model	1260-38T
Manufacturer	Astronics Test Systems / EADS / Racal Instruments
Instrument Type	Shielded high-density VXIbus multiplexer/scanner
Form Factor	C-size, single-slot VXI
Configuration	sixteen 1x8 two-wire; expandable to 1x128 two-wire or 1x64 four-wire
Max Switching Voltage	220 VDC or 220/250 VAC class
Max Switching Current	2 A DC or 2 A AC
Max Switching Power	60 W, 125 VA

Bandwidth (-3 dB): 1x8 >30 MHz; 1x128 >2 MHz

Specifications

PARAMETER	VALUE
Path Resistance	1x8 (2-wire) <750 mOhm class; 1x128 (2-wire) <1 Ohm
Thermal EMF	1x8 <15 uV; larger configs <20 uV class
Isolation (1x8)	>45 dB at 10 MHz; >30 dB at 30 MHz
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Power	+5 V and +24 V loads depend on Option 01/01T and energized relays

Ordering: 407410-001 (1260-38T)

Standard Operating Conditions

Install Option 01 or 01T in the leftmost 1260-series module. Use mating 160-pin connectors/cables rated for the signal levels. Observe cooling airflow for modules with Option 01T installed.

Operational Notes

User title notes Option 01 or 01T compatibility—prefer 01T for new SCPI/register-based systems; keep Option 01 for legacy command-set software.

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.