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Data Sheet

August 15, 2026

ASTRONICS / EADS / RACAL

Astronics / EADS / Racal Option 01T Switch Controller Card

The Astronics/EADS/Racal Option 01T is a switch controller card designed for managing and controlling various switching functions within electronic systems. This card is ideal for aerospace, defense, and industrial applications requiring reliable and precise control over signal routing and switching.

**MODEL****Astronics / EADS /
Racal Option 01T****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****Option 01T****LISTING**<https://aumictechlabs.com/products/option-01t-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Astronics/EADS/Racal Option 01T Switch Controller Card is a daughterboard designed to integrate with the 1260 Series of switch modules, particularly the 1260-100 Adapt-a-Switch® Carrier. It has comprehensive management and control of multiple switching functions across complex electronic systems in aerospace, defense, and industrial applications requiring precise signal routing. The Option 01T supersedes the Option 01 and is the recommended controller for all new system designs. Technical Specifications Switching Speed: Relay switching and digital I/O transitions under 9 microseconds Maximum Control Capacity: Up to twelve 1260-Series switch modules and/or Adapt-a-Switch plug-in switch cards Carrier Module Configuration: One Option 01T required for every two 1260-100 carrier modules (each carrier accommodates six switch

cards) VXIbus Trigger Lines: Controls all eight TTL trigger lines on the VXIbus platform Key Features Dual Control Modes: Register-based interface for direct control register access; message-based interface supporting SCPI and IEEE-488.2 commands Routing Commands: Assignment of signal path names (Oscilloscope, DMM, Timer/Counter) to relay paths Power-up Recall: System powers up in predetermined state Scan Function: Synchronizes relay selection across multiple channels Programmable Delays: User-selectable timing intervals during channel switching Include Feature: Controls two or more relays within single or multiple modules Confidence Mode: Verifies correct relay operation after each switching command Fail-Safe Conditions: Pre-programmable to prevent unwanted channel closures and switching matrix contentions VXIplug&play Support: Framework-based compatibility Compatibility & Integration VXIbus Platform: Full integration with VXI local bus (LBus) interface Switch Module Control: Manages Racal Instruments VXIbus switch modules via message-based interface Mainframe Compatibility: Controls other switch modules within the mainframe via LBus

OPTION01T Characteristics / Specifications

PARAMETER	VALUE
Model	01T
Instrument Type	VXI switch controller daughter board
Host Family	Racal Instruments 1260 series including 1260-100 Adapt-A-Switch carrier
Modules Controlled	up to twelve 1260 series modules or Adapt-A-Switch plug-ins
Carrier Pairing	one 01T per two 1260-100 carriers (six plug-ins per carrier)
Trigger Lines	all eight VXIbus TTL triggers
Message Interface	SCPI and IEEE-488.2
Register Speed	less than 9 us per relay or digital I/O transition
Plus 5 V Peak Current	900 mA IPM
Plus 5 V Dynamic Current	1 mA IDM
Mtbf	286784 hours MIL-HDBK-217E
Mttr	less than 30 minutes
Mass	5 oz (142 g)
Height	8.6 in
Width	0.75 in
Depth	3.1 in
Installed Part	405108-001
Uninstalled Part	407531-001
Driver Framework	VXIplug and play Win32 including LabVIEW and LabWindows CVI
Power Up Recall	predetermined state at power up
Confidence Mode	verifies relay operation after each switching command
Manufacturer	Astronics Test Systems / Racal Instruments / EADS
Literature	Astronics Racal Instruments 01T datasheet 05-14-14 v2.2

OPTION01T Specifications

PARAMETER	VALUE
Key Features	Message based SCPI and IEEE-488.2 plus register based high speed
Receives all eight VXIbus TTL triggers	VXIplug and play Win32 LabVIEW and LabWindows CVI drivers
Technical Specifications	Model: 01T

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	
From Astronics Racal Instruments 01T datasheet (queue title: Astronics / EADS / Racal 01T Switch Controller Card). Exact 1260 module I/O maps belong on the host switch card sheet.	

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.