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**Data Sheet**

August 15, 2026

ASTRONICS / EADS / TALON INSTRUMENTS

# Astronics / EADS / Talon Instruments SR192A 50MHz Digital Module

Astronics Talon SR192A 50 MHz Digital Module The Astronics/EADS/Talon Instruments SR192A is a 50 MHz digital stimulus/response module for Talon VXI digital test systems. OEM Talon digital family literature positions SR192A among high-speed digital I/O modules for functional board test. Digital functional test, high-speed pattern I/O, and VXI-based board test systems using Talon timing and DAC companions. Works with SR101 timing and SR110 DAC modules The Astronics/EADS/Talon Instruments SR192A is a 50 MHz digital stimulus/response module for Talon VXI digital test systems. OEM Talon digital family literature positions SR192A among high-speed digital I/O modules for functional board test. Digital functional test, high-speed pattern I/O, and VXI-based board test systems using Talon timing and DAC companions. Works with SR101 timing and SR110 DAC modules VXI message based digital stimulus response



MODEL

**Astronics / EADS /  
Talon Instruments  
SR192A**

CALIBRATION

**Available on  
request**

CONDITION

**Used**

STATUS

**In stock**

RFQ / SKU

**SR192A**

LISTING

[https://aumictechlabs.c  
om/products/sr192a-2/](https://aumictechlabs.com/products/sr192a-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

## This unit

The SR192A is a double-wide VXI digital test module delivering 50 MHz data rates with 5 ns edge placement resolution for high-speed digital pattern generation and analysis. Scalable from 8 to 192 single-ended channels in 8-channel increments, it accommodates up to 12 internal 16-channel

I/O modules and two SR101A timing modules per unit. The integrated high-speed data sequencer provides precise control over test patterns, UUT handshaking, timing, format, looping, and conditional testing across TTL, RS-485, ECL, LVDS, and variable voltage logic levels. Technical Specifications Data Rate: Up to 50 MHz Edge Placement Resolution: 5 ns Channel-to-Channel Skew: 5 ns Maximum I/O Channels: Up to 192 single-ended per module Configurable Range: 8 to 192 channels in 8-channel increments Internal Module Capacity: Up to 12 modules × 16 channels each Timing Module Support: Up to two SR101A modules per SR192A Memory Depth: 128 Kbits per channel (256 Kbits in multiplexed mode) Data Formats: Hold, RTZ, RT0, RTC Output Drive: 50 mA source/sink Input Thresholds: High 2.0 V, Low 0.8 V Input Impedance: >10 kΩ Output Impedance: 50 Ω Short Circuit Protection: Yes Key Features Five-memory architecture: Stimulus, Tristate, Record, Expect, Mask Multiple SR192A modules synchronize for up to 1,152 total I/O channels Supports TTL, RS-485, ECL, LVDS, and variable voltage I/O Trigger inputs from VXI TTL bus, VXI ECL bus, front-panel auxiliary, or any channel Graphical user interface accelerates test development LSRTAP file import capability Visual timing and table definition tools Typical Applications Parallel and serial digital signal testing Complex UUT handshaking sequences High-speed pattern generation and capture Mixed-logic-level test environments Compatibility & Integration Double-wide VXI module form factor. Integrates with SR101A timing modules for synchronized multi-module configurations supporting logic standards across industrial and defense test platforms.

# SR192A Characteristics / Specifications

| PARAMETER                   | VALUE                                   |
|-----------------------------|-----------------------------------------|
| Model                       | SR192A                                  |
| Instrument Type             | 50 MHz digital stimulus response module |
| Manufacturer Line           | Talon Instruments / Astronics           |
| Digital Rate                | 50 MHz                                  |
| Form Factor                 | VXI digital module class                |
| Primary Function            | digital stimulus and response           |
| Companion Timing Module     | SR101 timing set                        |
| Companion Dac Module        | SR110 DAC                               |
| Companion Variable Module   | SR214A                                  |
| Series Family               | Talon SR digital                        |
| Pattern Memory Class        | deep pattern memory class family        |
| Pin Electronics Class       | programmable driver sensor class        |
| Logic Families Class        | TTL CMOS and related class              |
| Operating Temperature Class | 0 C to 40 C laboratory class            |
| Storage Temperature Class   | minus 40 C to 70 C class                |
| Cooling Class               | VXI slot airflow class                  |
| Power Source                | VXI backplane supplies                  |
| Control Interface           | message based VXI                       |
| Triggering Class            | Talon system timing triggers            |
| Use Case                    | functional board test                   |
| Channel Count Class         | configuration dependent pin count       |
| Edge Placement Class        | timing set dependent                    |
| Voltage Levels Class        | programmable driver levels class        |
| Compare Modes Class         | expect data compare class               |
| Storage temperature         | Class: minus 40 C to 70 C class         |

| PARAMETER             | VALUE                               |
|-----------------------|-------------------------------------|
| Operating temperature | Class: 0 C to 40 C laboratory class |

# SR192A Specifications

| PARAMETER                                    | VALUE                                                                                                                    |
|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Astronics Talon SR192A 50 MHz Digital Module | Overview                                                                                                                 |
| Applications                                 | Digital functional test, high-speed pattern I/O, and VXI-based board test systems using Talon timing and DAC companions. |
| Key Features                                 | 50 MHz digital I/O class                                                                                                 |
| Talon SR digital family module               | Works with SR101 timing and SR110 DAC modules                                                                            |
| Technical Specifications                     | Model: SR192A                                                                                                            |

# General Specifications & Supplementary Characteristics

| PARAMETER                   | VALUE                                                                                                                                                                                                                          |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Storage temperature         | Class: minus 40 C to 70 C class                                                                                                                                                                                                |
| Operating temperature       | Class: 0 C to 40 C laboratory class                                                                                                                                                                                            |
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| Operating Temperature Class | 0 C to 40 C laboratory class                                                                                                                                                                                                   |
| Storage Temperature Class   | minus 40 C to 70 C class                                                                                                                                                                                                       |
| Cooling Class               | VXI slot airflow class                                                                                                                                                                                                         |
| Power Source                | VXI backplane supplies                                                                                                                                                                                                         |
| Control Interface           | message based VXI                                                                                                                                                                                                              |
| Triggering Class            | Talon system timing triggers                                                                                                                                                                                                   |
| Use Case                    | functional board test                                                                                                                                                                                                          |
| Channel Count Class         | configuration dependent pin count                                                                                                                                                                                              |
| Edge Placement Class        | timing set dependent                                                                                                                                                                                                           |
| Voltage Levels Class        | programmable driver levels class                                                                                                                                                                                               |
| Compare Modes Class         | expect data compare class Notes Capability rows from Astronics/EADS/Talon Instruments SR192A 50 MHz digital module catalog descriptions. Exact pin count and timing accuracy follow the Talon system timing set configuration. |

# 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              |                                         |
|-----------------------------|-----------------------------------------|
| Specifications              |                                         |
| PARAMETER                   | VALUE                                   |
| Model                       | SR192A                                  |
| Instrument Type             | 50 MHz digital stimulus response module |
| Manufacturer Line           | Talon Instruments / Astronics           |
| Digital Rate                | 50 MHz                                  |
| Form Factor                 | VXI digital module class                |
| Primary Function            | digital stimulus and response           |
| Companion Timing Module     | SR101 timing set                        |
| Companion Dac Module        | SR110 DAC                               |
| Companion Variable Module   | SR214A                                  |
| Series Family               | Talon SR digital                        |
| Pattern Memory Class        | deep pattern memory class family        |
| Pin Electronics Class       | programmable driver sensor class        |
| Logic Families Class        | TTL CMOS and related class              |
| Operating Temperature Class | 0 C to 40 C laboratory class            |
| Storage Temperature Class   | minus 40 C to 70 C class                |
| Cooling Class               | VXI slot airflow class                  |
| Power Source                | VXI backplane supplies                  |
| Control Interface           | message based VXI                       |
| Triggering Class            | Talon system timing triggers            |
| Use Case                    | functional board test                   |
| Channel Count Class         | configuration dependent pin count       |
| Edge Placement Class        | timing set dependent                    |
| Voltage Levels Class        | programmable driver levels class        |
| Compare Modes Class         | expect data compare class               |

#### Notes

Capability rows from Astronics/EADS/Talon Instruments SR192A 50 MHz digital module catalog descriptions.  
Exact pin count and timing accuracy follow the Talon system timing set configuration.

### Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: [sales@aumictech.com](mailto: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.