

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

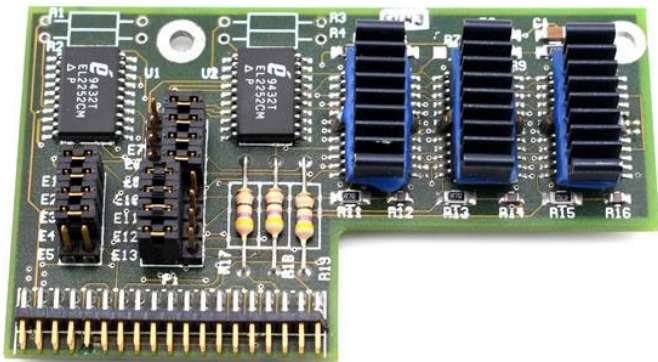
Data Sheet

August 15, 2026

ASTRONICS / EADS / TALON INSTRUMENTS

Astronics / EADS / Talon Instruments SR103 TTL I / O Module

Talon Instruments SR103 TTL Stimulus Response I/O Module The Talon SR103 isaTTL I/O module for the SR192 digital stimulus/response system. OEM SR192 family literature lists TTL voltage levels, 50 mA source/sink, data rates to 25 MHz (50 MHz multiplexed), timing rates to 50 MHz with SR101, 128 Kbits memory per channel (256K multiplexed), and five-memory architecture. SR192 accepts up to 12 I/O modules for 96 or 192 channels. SR103 is the TTL counterpart to variable-voltage SR214A and DAC SR110. Fixed-level TTL digital functional test inaTalon SR192 VXI system. The Talon SR103 isaTTL I/O module for the SR192 digital stimulus/response system. OEM SR192 family literature lists TTL voltage levels, 50 mA source/sink, data rates to 25 MHz (50 MHz multiplexed), timing rates to 50 MHz with SR101, 128 Kbits memory per channel (256K multiplexed), and five-memory architecture. SR192 accepts up to 12 I/O modules for 96 or 192 channels. SR103 is the TTL counterpart to variable-voltage SR214A and DAC SR110. Fixed-level TTL digital functional test inaTalon SR192 VXI system.

**MODEL****Astronics / EADS /
Talon Instruments
SR103****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****SR103****LISTING**<https://aumictechlabs.com/products/sr103-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The SR103 is a TTL I/O module designed for integration into the Astronics/EADS/Talon Instruments SR192 Digital Test Module, a VXI-based platform for stimulus and response applications in industrial and enterprise-level testing environments. The module functions as a plug-in component within larger scalable digital test systems, enabling multi-channel I/O stimulus and capture operations with synchronized timing across multiple chassis units.

Technical Specifications

Module Type: TTL I/O Module for SR192 VXI Digital Test Module

Logic Standard: TTL (Transistor-Transistor Logic)

Timing Rate: Up to 50 MHz

Data Rate: Up to 25 MHz (50 MHz multiplexed)

Output Drive: 50 mA source/sink

Memory Architecture: 5-memory architecture (Stimulus, Tristate, Record, Expect, Mask); memory depth per channel typically 128K bits, expandable to 256K bits when multiplexed

Signal Type: Single-ended or double-ended (differential)

logic configuration

TTL Logic Levels: Low state -0.2 V dc to +0.8 V dc; High state 2.0 V dc to 5.25 V dc

Power Distribution: Module receives power through VXI chassis backplane

Key Features

Plug-in module architecture for two-slot, "C" size VXI chassis mounting

TTL logic level compatibility with standard digital devices

Configurable signal types: single-ended or differential

I/O channels

Dual memory depth options for flexible stimulus and capture scenarios

Multiple timing/data rate configurations for diverse test protocols

Typical Applications

Digital stimulus and response testing in automated test equipment (ATE) environments

Multi-channel TTL signal generation and acquisition

Industrial and enterprise digital device validation

Scalable test system expansion within VXI chassis infrastructure

Compatibility & Integration

The SR103 integrates directly into the SR192 platform, which supports system expansion to 1152 I/O channels within a single 13-slot chassis through synchronized multi-unit configurations. The module operates within the established SR192 I/O module family, which accommodates various logic options including fixed-voltage TTL, ECL, RS485/422, and variable voltage levels.

SR103 Characteristics / Specifications

PARAMETER	VALUE
Model	SR103
Instrument Type	TTL stimulus/response I/O module
Host System	SR192 digital test module
Logic Levels	TTL voltage levels
Drive Family	50 mA source/sink
Data Rate Family	data rates to 25 MHz, 50 MHz multiplexed
Timing Rate Family	timing rates to 50 MHz
Memory Per Channel Family	128 Kbits per channel, 256K multiplexed
Memory Architecture Family	Stimulus, Tristate, Record, Expect, and Mask
Timing Companion	SR101
Related Variable Voltage	SR214A +7 V to -5 V
Related Dac	SR110 DAC module
Carrier Slots	one of up to 12 I/O modules in SR192
Platform	VXI via SR192
Manufacturer	Talon Instruments / EADS / Astronics
Use Case	TTL digital pin electronics
Literature	Talon SR192 / SR103 product listings
Family	Talon SR192 I/O modules
Documentation Type	OEM SR103 / SR192 family table
Brand Lineage	Talon EADS Astronics
System Role	TTL digital I/O
Form Factor	SR192 plug-in I/O module
Channel Architecture	stimulus and response digital I/O
Expansion Class	multi-module master configurations up to 1152 channels
Related Rs4	SR112 / SR122 RS485 differential modules

PARAMETER	VALUE
Data Rate	Family: data rates to 25 MHz, 50 MHz multiplexed

SR103 Specifications

PARAMETER	VALUE
Talon Instruments SR103 TTL Stimulus Response I/O Module	Overview
Applications	Fixed-level TTL digital functional test in a Talon SR192 VXI system.
Key Features	TTL I/O for SR192
Technical Specifications	Model: SR103

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	SR103
Instrument Type	TTL stimulus/response I/O module
Host System	SR192 digital test module
Logic Levels	TTL voltage levels
Drive Family	50 mA source/sink
Data Rate Family	data rates to 25 MHz, 50 MHz multiplexed
Timing Rate Family	timing rates to 50 MHz
Memory Per Channel Family	128 Kbits per channel, 256K multiplexed
Memory Architecture Family	Stimulus, Tristate, Record, Expect, and Mask
Timing Companion	SR101
Related Variable Voltage	SR214A +7 V to -5 V
Related Dac	SR110 DAC module
Carrier Slots	one of up to 12 I/O modules in SR192
Platform	VXI via SR192
Manufacturer	Talon Instruments / EADS / Astronics
Use Case	TTL digital pin electronics
Literature	Talon SR192 / SR103 product listings
Family	Talon SR192 I/O modules
Documentation Type	OEM SR103 / SR192 family table
Brand Lineage	Talon EADS Astronics
System Role	TTL digital I/O
Form Factor	SR192 plug-in I/O module
Channel Architecture	stimulus and response digital I/O
Expansion Class	multi-module master configurations up to 1152 channels
Related Rs485	SR112 / SR122 RS485 differential modules

Notes

From Talon SR192/SR103 listings (TTL, 50 mA, 25/50 MHz family, 128 Kbit, SR101 timing). Exact channel count per SR103 card and pinout are on the SR103 datasheet.

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 15, 2026

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