

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 15, 2026

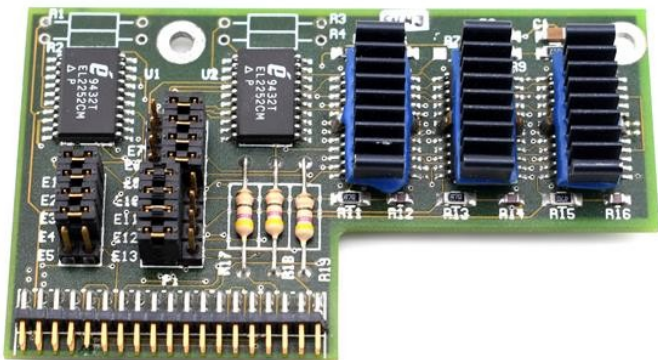
ASTRONICS / EADS / TALON INSTRUMENTS

Astronics / EADS / Talon Instruments SR112 8 Channel RS485 Differential Stimulus / Response Module

Astronics / EADS / Talon Instruments SR112 8-Channel RS-485 Differential Stimulus Response Module The Astronics / EADS / Talon Instruments SR112 is an 8-channel RS-485 differential stimulus/response I/O module for the Talon SR192 digital test system. It provides fixed differential RS-485/422 class digital I/O within the SR192 modular architecture controlled by the SR101 timing set. Differential digital functional test, RS-485 UUT interfaces, and multi-drop bus emulation in VXI ATE. Instrument Type: RS-485 differential stimulus response I/O module

The Astronics / EADS / Talon Instruments SR112 is an 8-channel RS-485 differential stimulus/response I/O module for the Talon SR192 digital test system. It provides fixed differential RS-485/422 class digital I/O within the SR192 modular architecture controlled by the SR101 timing set. Differential digital functional test, RS-485 UUT interfaces, and multi-drop bus emulation in VXI ATE. Instrument Type: RS-485 differential stimulus response I/O module

Related Variable Module: SR214 16-channel variable voltage

**MODEL****Astronics / EADS /
Talon Instruments
SR112****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****SR112****LISTING**[https://aumictechlabs.c
om/products/sr112-2/](https://aumictechlabs.com/products/sr112-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Astronics/EADS/Talon Instruments SR112 is an 8-channel RS485 differential stimulus/response module engineered for industrial data transmission and reception over RS485 networks. Differential signaling delivers enhanced noise immunity in automation, control, and data acquisition systems. The module integrates into VXI chassis environments as part of larger stimulus/response test systems, supporting reliable bidirectional communication with RS-485 standard compliance. Technical Specifications Channels: 8 differential RS485 stimulus/response channels Standard: RS-485 compliant for balanced multipoint transmission Data Rates: Up to 25 MHz; 50 MHz in multiplexed mode Timing Rates: Up to 50 MHz Channel Memory: Up to 128 Kbits per channel, expandable to 256 Kbits in multiplexed mode Memory Architecture: Stimulus, Tristate, Record, Expect, and Mask Input High Threshold: Typically 2.0 V Input Low Threshold: Typically 0.8 V Input Impedance: >10 k Ω Output High Level: Typically >2.4 V Output Low Level: Typically <0.4 V Source Current: 50 mA Sink Current: 50 mA Output Impedance: 50 Ω Short Circuit Protection: Standard on outputs Key Features Differential RS485 signaling for superior noise rejection Stimulus generation and response capture on all 8 channels Voltage support: TTL levels, RS485/422, and variable ± 15 V or +5 V/-2 V options Scalable memory per channel with multiplexed mode expansion Operates within VXI chassis framework Typical Applications Industrial automation and control systems Long-distance multipoint data acquisition RS485 network stimulus/response testing Noisy industrial environments requiring differential signaling Compatibility & Integration The SR112 works with integration within VXI chassis housing. The SR192 Digital Test Module accommodates up to 12 I/O modules per chassis for 96 to 192 total channels. Multiple SR192 systems can be linked to reach 1152 channels within a single VXI chassis. Logic options include RS485/422, TTL, and ECL configurations.

SR112 Characteristics / Specifications

PARAMETER	VALUE
Model	SR112
Instrument Type	RS-485 differential stimulus response I/O module
Channel Count	8
Interface Class	RS-485 differential
Host System	SR192 digital test module
Timing Companion	SR101
Platform	VXI via SR192
Related Model	SR122 8-channel RS485
Related Variable Module	SR214 16-channel variable voltage
System Channel Context	contributes 8 channels toward 96/192 total
Product Family	Talon SR192 I/O modules
Carrier Slots Context	one of up to 12 I/O modules in SR192
Logic Role	fixed differential digital I/O
Brand Path	Talon EADS Astronics
Card Format Class	SR192 plug-in I/O module
Test Modes Class	stimulus and response
Signaling	differential multipoint capable class
Vendor Path	Talon EADS Astronics
Host System Class	SR192 modular digital system where applicable
Timing Companion Class	SR101 timing set where applicable
Channel Architecture	stimulus and response digital I/O
Logic Family Options	TTL ECL RS485 variable voltage class
Expansion Class	multi-module master configurations
Memory Architecture	per-channel pattern memory class

SR112 Specifications

PARAMETER	VALUE
Applications	Differential digital functional test, RS-485 UUT interfaces, and multi-drop bus emulation in VXI ATE.
Key Features	Eight RS-485 differential channels
Differential stimulus and response	Works with SR101 timing
Technical Specifications	Model: SR112
Notes	From Astronics EADS Talon SR112 family listings with SR192. Baud timing and common-mode limits belong on the SR112 datasheet.

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	SR112
Instrument Type	RS-485 differential stimulus response I/O module
Channel Count	8
Interface Class	RS-485 differential
Host System	SR192 digital test module
Timing Companion	SR101
Platform	VXI via SR192
Related Model	SR122 8-channel RS485
Related Variable Module	SR214 16-channel variable voltage
System Channel Context	contributes 8 channels toward 96/192 total
Product Family	Talon SR192 I/O modules
Carrier Slots Context	one of up to 12 I/O modules in SR192
Logic Role	fixed differential digital I/O
Brand Path	Talon EADS Astronics
Card Format Class	SR192 plug-in I/O module
Test Modes Class	stimulus and response
Signaling	differential multipoint capable class
Vendor Path	Talon EADS Astronics
Host System Class	SR192 modular digital system where applicable
Timing Companion Class	SR101 timing set where applicable
Channel Architecture	stimulus and response digital I/O
Logic Family Options	TTL ECL RS485 variable voltage class
Expansion Class	multi-module master configurations
Memory Architecture	per-channel pattern memory class

Notes

From Astronics EADS Talon SR112 family listings with SR192. Baud timing and common-mode limits belong on the SR112 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.