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SCXI-1001

- Rugged, compact 12-slot chassis to house any SCXI modules
- Low-noise signal conditioning environment
- Rack-mount, panel mount, and portable options with forced air cooling
- 3 internal analog buses
- Timing circuitry for high-speed multiplexing
- NI-DAQ driver simplifies configuration and measurements



Overview

The SCXI-1001 is a rugged, low-noise chassis that can hold up to 12 SCXI modules. This chassis powers SCXI modules as well as handles all timing, trigger, and signal routing between your digitizer and SCXI modules. For larger systems, or future expansion, you can also daisy chain up to eight SCXI-1001 chassis with a single E Series digitizer for high-channel-count applications. The SCXI-1000 offers seven different power options to match your country's power and can be reconfigured for use in other countries. Rack mounting and portable accessories are also available.

Specifications

Specifications Documents

- Specifications (2)
- Data Sheet

Specifications Summary

General

Product Name	SCXI-1001
Form Factor	SCXI
Product Type	Chassis
Part Number	776571-05 , 776571-01 , 776571-02
Operating System/Target	Real-Time , Linux , Mac OS , Windows
LabVIEW RT Support	Yes
Operating Relative Humidity	10 percent , 90 percent

Chassis

Power Supply	AC
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Number of Slots	12
Optional Front or Rear Rack Mountable	Yes
Total Available Power	84 W
Input Frequency Range	47 Hz , 73 Hz
V+ Supplies	0.0
Max AC Current for 100 VAC	1.7 A
Max AC Current for 120 VAC	1.5 A
Max AC Current for 220 VAC	0.8 A
Max AC Current for 240 VAC	0.8 A
Physical Specifications	
Length	43.82 cm
Width	21.69 cm
Height	17.96 cm
Weight	6.8 kilogram
Minimum Operating Temperature	0 °C
Maximum Operating Temperature	50 °C
Maximum Altitude	2000 m