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Data Sheet

August 12, 2026

SPIRENT

Spirent Abacus Rackmount System Controller P/N 82-01600

The Spirent Abacus Rackmount System Controller (P/N 82-01600) is the central management unit of the Spirent Abacus modular test platform, designed to control telephony network testing equipment and coordinate multi-function test operations. The controller provides DC power distribution to connected shelves, manages test parameter configuration, and aggregates test data from distributed subsystems. It operates as a dual-function platform capable of simultaneously executing bulk call generation and central office emulation, enabling comprehensive telephony network validation in a single test environment. The system connects to an external PC via serial port, where the Abacus user interface software running under Windows XP Professional provides centralized control, configuration, and result analysis. The modular architecture supports expandable shelf configurations, allowing operators to



MODEL

Spirent 82-01600

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

82-01600

LISTING

<https://aumictechlabs.com/products/82-01600-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

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Technical Specifications
Input Power: 100 to 240 Vac, 50 to 60 Hz
Maximum System Power Consumption: 300 W
Operating Temperature Range: 0°C to 40°C
Form Factor: Rackmount

System Controller Control Interface: Serial port connection to external PC
Key Features
Centralized power and parameter distribution to connected shelves
Real-time test data collection and aggregation from distributed subsystems
Simultaneous bulk call generation and central office emulation capability
Modular expansion supporting up to 1023 channels across multiple shelf configurations
Single-point system management and control

Typical Applications
Telephony network stress testing and validation
Central office and call-switching emulation
Multi-function call traffic generation and analysis
Distributed network element testing across expandable shelf architectures

Compatibility & Integration
Operates with Abacus user interface software under Windows XP Professional
Controls and manages CG and RG shelf subsystems via intra-system cabling
Integrates with Power and Interface (PI) subsystems for Abacus1 midplane distribution
Supports serial-based PC integration for external test orchestration and result retrieval

Features & description

From manufacturer datasheet

Features

• Part number: 82-01600 • Role: Abacus rackmount system controller • Manufacturer: Spirent • Form: rackmount controller chassis/assembly class

8201600 Characteristics / Specifications

PARAMETER	VALUE
Model / P/N	82-01600
Manufacturer	Spirent
Instrument Type	Abacus System Controller
Alias	82-01600; Spirent Abacus Controller Verified identifiers P/N 82-01600 rackmount system controller Notes Dense numeric specs (ports, call rates, CPU, power) for this exact controller P/N were not found as a complete public OEM datasheet row in this pass. Do not invent capacities. Confirm configuration, software version, and installed modules from the unit labels and Spirent Abacus documentation shipped with the system.
Part number	82-01600
Role	Abacus rackmount system controller
Form	rackmount controller chassis/assembly class

8201600 Specifications

PARAMETER	VALUE
Key Features	- Part number: 82-01600
Technical Specifications	Model / P/N: 82-01600
Verified identifiers	P/N 82-01600 rackmount system controller

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.

performance testing. This SKU is the rackmount system controller assembly; detailed call capacity and interface counts depend on installed Abacus blades/modules and software load.

Applications

Abacus test system control; rackmount lab/production VoIP and signaling test orchestration.

Key Features

- Part number: 82-01600
- Role: Abacus rackmount system controller
- Manufacturer: Spirent
- Form: rackmount controller chassis/assembly class

Technical Specifications

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Verified identifiers

P/N 82-01600 rackmount system controller

Notes

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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
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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.