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Data Sheet
August 15, 2026

AGILENT / KEYSIGHT

Agilent / Keysight E9851A VXI Pentium PC Controller, 700 MHz, Windows NT

HP Agilent E9851A VXI Pentium PC Controller 700 MHz Windows NT The HP/Agilent E9851A isaC-size VXI embedded PC controller. OEM E9851A listings specify a 700 MHz Pentium processor, Windows NT, Slot 0 / Resource Manager capability, and GPIB/VXI control of the crate from the embedded PC rather than an external command module. Embedded Slot-0 control of VXI mainframes running Windows NT test software. Replaces external E1406A-class command modules for PC-hosted ATE The HP/Agilent E9851A isaC-size VXI embedded PC controller. OEM E9851A listings specify a 700 MHz Pentium processor, Windows NT, Slot 0 / Resource Manager capability, and GPIB/VXI control of the crate from the embedded PC rather than an external command module. Embedded Slot-0 control of VXI mainframes running Windows NT test software. Replaces external E1406A-class command modules for PC-hosted ATE Instrument Type: VXI embedded PC controller

MODEL **Agilent / Keysight E9851A**	CALIBRATION **Available on request**
CONDITION **Used**	STATUS **In stock**
RFQ / SKU **E9851A**	LISTING **https://aumictechlabs.com/products/e9851a-2/**

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This unit

The Agilent/Keysight E9851A is a C-size, 2-slot VXI embedded PC controller designed for integration into Keysight VXI mainframes. It combines a 700 MHz Pentium III processor with Windows NT 4.0 to deliver message-based instrument control and automated test system

management. The controller addresses applications requiring reliable VXI infrastructure, data acquisition, and multi-instrument coordination within a compact mainframe-embedded form factor.Technical Specifications Processor & Memory Intel Pentium III at 700 MHz 64 MB standard RAM, expandable to 384 MB via two SODIMM sockets 4.2 GB Ultra DMA 33 hard drive with 3.5-inch 1.44 MB floppy drive Operating System Windows NT 4.0 Expansion & Storage One internal AT/PCI slot accepting full-length PCI cards or 16-bit XT-height ISA cards Two front-panel PCMCIA slots: one Type I/II/III and one Type I/II peripheral slot Advanced Graphics Port (AGP) with 2 MB 64-bit accelerated SGRAM Interfaces Wide Ultra SCSI-3 port 10/100 BaseT Ethernet (RJ45) IEEE 488.2 GPIB Two RS-232 serial ports IEEE-1284-compatible parallel port Two USB ports (not supported under Windows NT 4.0) PS/2 keyboard and mouse portsKey Features Message-based VXI architecture for standardized instrument communication Embedded PC controller design - no external computer required Wide peripheral connectivity enables mixed-protocol instrument systems SCSI and Ethernet for high-speed data transfer and network integration PCMCIA expansion for field-installable I/O modulesTypical Applications Automated test systems requiring VXI-based instrument control Multi-channel data acquisition with centralized processing Production test environments with continuous instrument integration System configurations demanding embedded, mainframe-resident control logicCompatibility & Integration Compatible with Keysight E84XX series, E1401B, and E1421B VXI mainframes. Operates as the control element within larger VXI instrument chassis, simplifying system architecture and reducing external computer dependencies.

E9851A Characteristics / Specifications

PARAMETER	VALUE
Model	E9851A
Instrument Type	VXI embedded PC controller
Processor	Pentium 700 MHz
Operating System	Windows NT
Module Size	C-size VXI
Functions	Slot 0 and Resource Manager
Manufacturer	HP Agilent Keysight
Mechanical Package	VXI embedded controller
Application Class	embedded VXI ATE controller
Documentation	HP/Agilent E9851A VXI Pentium PC controller data
Host Mainframes	E1401-class C-size VXI
Control	local Windows NT plus VXI RM
Related Command Modules	E1405A E1406A external GPIB commanders
Platform	VXIbus
Duty	continuous crate control
Power	from VXI backplane
Grounding	VXI chassis ground
Clock	Slot 0 CLK10 role when enabled
User Interface	Windows NT embedded PC
Ate Software	runs on the embedded Pentium
System Family	HP VXI controllers
Cpu Clock	700 MHz Os: Windows NT

E9851A Specifications

PARAMETER	VALUE
Applications	Embedded Slot-0 control of VXI mainframes running Windows NT test software.
Key Features	700 MHz Pentium VXI PC
Windows NT	Slot 0 and Resource Manager
Technical Specifications	Model: E9851A

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	E9851A
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Functions	Slot 0 and Resource Manager
Manufacturer	HP Agilent Keysight
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Duty	continuous crate control
Power	from VXI backplane
Grounding	VXI chassis ground
Clock	Slot 0 CLK10 role when enabled
User Interface	Windows NT embedded PC
Ate Software	runs on the embedded Pentium
System Family	HP VXI controllers
Cpu Clock	700 MHz
Os	Windows NT

Notes
From HP/Agilent E9851A VXI Pentium PC controller listings (700 MHz, Windows NT, Slot 0). Confirm RAM, drive, and Slot-0 switch settings on the installed module.

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

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