

KEYSIGHT TECHNOLOGIES (AGILENT HP)

E8403A

The Keysight (formerly Agilent) E8403A is a high-power, 13-slot, C-size VXI mainframe designed for demanding automated test applications. Featuring a 1000-watt power supply, efficient impeller-based cooling, and integrated system monitoring, this mainframe offers high reliability, low acoustic noise, and full compliance with the VXIbus specification.

SPECIFICATIONS

General

Interfaces	Rear panel diagnostic connector
Display	Front panel LED status indicators (SYSFAIL, AC, TEMP, FAN)

Physical

Power Supply	90 - 264 VAC, 47 - 66 Hz (47 - 440 Hz at 120 VAC), 1500 VA max
Operating Temperature	0 to +55 °C °C
Dimensions (W×H×D)	424.5 mm × 352 mm × 631 mm mm
Weight	20.3 kg

System Architecture & Capacity

Number of Module Slots	13
Compatible Module Size	C-size VXI
VXIbus Specification Compliance	Revision 1.4
Backplane Connectors	P1 and P2 connectors on all 13 slots

Power Specifications

Maximum Usable Power	1000 W
Maximum Power Consumption	1500 VA
+5 V Peak DC Current	90 A
+12 V Peak DC Current	15 A
+24 V Peak DC Current	15 A
-5.2 V Peak DC Current	30 A
-2 V Peak DC Current	15 A

Cooling

Cooling System Type	Impeller-based fan with automatic variable speed control
Cooling Airflow Path	Side and bottom intake, rear exhaust
Cooling Capacity per Slot	90 W (with 15 °C temperature rise)
Fan Speed Control Modes	High, Auto

User Interface & Monitoring

System Monitoring Diagnostics	Basic monitoring (voltage, temperature, fan speed)
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Physical Characteristics

Chassis Form Factor	Rackmount 8U
Weight (Empty)	20.3 kg (44.8 lbs)

Environmental & Compliance

Storage Temperature Range	-40 to +75 °C
Operating Humidity Range	Up to 95% RH (non-condensing) at 40 °C
Safety Certifications	UL, CSA, CE

DC Power Outputs

+5 V Dynamic Current	9.0 A
+12 V Dynamic Current	1.5 A
+24 V Dynamic Current	3.0 A
-5.2 V Dynamic Current	6.0 A
-2 V Dynamic Current	3.0 A

Environmental

Acoustic Noise (Low Fan Speed)	50.3 dBA
Acoustic Noise (High Fan Speed)	57.5 dBA
Operating Altitude	4,600 m
Storage Altitude	15,240 m

Monitoring & Diagnostics

Diagnostic Connector	25-pin D-sub (rear panel)
Status Indicators	Front-panel LEDs for power supply, fan, and temperature

TECHNOLOGY

VXIbus

APPLICATIONS

Automated Test Equipment (ATE) mainframe

Generated by SpecAtlasHub (specatlashub.com). Specifications are compiled from available sources and are subject to change — verify critical values against the manufacturer before purchase.