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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent / Keysight E1413C C-Size P1 Active Adapter, 1-Slot

Agilent E1413C High Speed Scanning A/D Converter The HP/Agilent E1413C isaC-size high-speed scanning A/D converter in the E1313/E1413 family. OEM materials list up to 64 channels, scan rates to 100000 channels/s, a 65024-reading FIFO, Current Value Table access, IEEE 754 32-bit floating point readings, four scan lists of up to 1024 assignments each, and up to eight Signal Conditioning Plug-on (SCP) modules. High-speed multi-channel data acquisition, engineering-unit scanning, and SCP-conditioned sensor measurements in VXI systems. The HP/Agilent E1413C isaC-size high-speed scanning A/D converter in the E1313/E1413 family. OEM materials list up to 64 channels, scan rates to 100000 channels/s, a 65024-reading FIFO, Current Value Table access, IEEE 754 32-bit floating point readings, four scan lists of up to 1024 assignments each, and up to eight Signal Conditioning Plug-on (SCP) modules. High-speed multi-channel data acquisition, engineering-unit scanning, and SCP-conditioned sensor measurements in VXI systems. Up to eight SCP signal conditioning plug ons



MODEL

**Agilent / Keysight
E1413C**

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

E1413C

LISTING

<https://aumictechlabs.com/products/e1413c-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Agilent/Keysight E1413C is a C-size, 1-slot register-based VXI module that functions as a 64-channel scanning analog-to-digital converter for data acquisition and automated test applications. This module delivers 16-bit resolution across all channels with a maximum aggregate scanning rate of 100

kSamples/second, distributed across the active channel count. A 64 kSample dual-ported FIFO buffer accommodates burst data capture, while on-board calibration sources enable single-command, all-channel calibration with system wiring offset compensation. Technical Specifications Form Factor: C-Size, 1-Slot, register-based VXI module Channel Count: 64 channels Resolution: 16 bits (including sign) Maximum Scanning Rate: 100 kSamples/second total (divided by number of channels in scan list) Memory Buffer: 64 kSample dual-ported FIFO Accuracy: 0.01% of reading (dependent on SCP module) Input Voltage Ranges: 4 mV to 16 V full-scale (base module); up to 60 V full-scale with E1513A attenuator SCP Maximum Input Voltage: ± 16 V peak (normal mode plus common mode) Maximum Common Mode Voltage: ± 16 V peak (operating) Input Impedance: > 100 M Ω differential Phase Jitter (scan-to-scan): 80 ps RMS Phase Jitter (card-to-card): 41 ns peak, 12 ns RMS Scan Trigger Jitter: ± 100 ps typical Internal Scan Trigger Range: 100 μ sec to 6.5536 sec, 100 μ sec resolution; trigger count 1 to 65535 or infinite External Scan Trigger: TTL level from VXI modules or external hardware Trigger Latency: 17.5 μ s typical Sample Timer Range: 10 μ sec to 32768 msec, 0.5 μ sec resolution Data Format: IEEE 754, 32-bit floating-point VXI Bus Compatibility: A16/A24 Data Transfer Bus, TTL Trigger Bus Key Features Current Value Table (CVT) stores latest reading from each of 64 channels On-board calibration with system offset compensation TTL trigger output supports multi-module synchronization at same or integer-related rates Supports up to eight mixed Signal Conditioning Plug-on (SCP) modules Typical Applications Multi-channel data acquisition, automated test systems, sensor scanning, voltage monitoring in production test environments. Compatibility & Integration The E1413C integrates with Agilent/Keysight SCP modules to customize measurement conditioning. VXI bus connectivity enables integration into larger automated test systems with TTL triggering and synchronization across multiple modules.

E1413C Characteristics / Specifications

PARAMETER	VALUE
Maximum Channels	64
Maximum Scan Rate	100000 channels/s
FIFO Depth	65024 readings
Current Value Table	latest reading per channel
Reading Format	IEEE 754 32 bit floating point
Engineering Units Conversion	supported
Scan Lists	4 lists
Channels Per Scan List	up to 1024 assignments
List Of Lists References	up to 1024 references per scan list
SCP Slots	8
Module Size	C
Slots Occupied	1
VXI Device Type	register based scanning ADC
Programming	SCPI and Compiled SCPI
Onboard Calibration Sources	yes
Wiring Offset Compensation	yes
Product Family	E1313/E1413
Example SCP Models	E1501A through E1518A and E1531A through E1538A families
Operating Temperature Class	0 to 55 C
Connectors	P1/P2 on C-size; P1 on B-size
Triggering	scan list and software ARM/trigger registers
Data Path	FIFO stream plus CVT random access
Form Factor Note	E1413C is C-size; E1313A is B-size family member
Operating temperature	Class: 0 to 55 C

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
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Triggering	scan list and software ARM/trigger registers
Data Path	FIFO stream plus CVT random access
Form Factor Note	E1413C is C-size; E1313A is B-size family member Notes Channel count, rate, FIFO, CVT, scan-list, and SCP details from Agilent/Artisan E1413C descriptions and shared E1313A/E1413C high-speed A/D user manual. Confirm installed SCP mix and calibration.

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	
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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
<https://aumictechlabs.com>

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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.