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Data Sheet

August 13, 2026

KEYSIGHT / AGILENT / HP

Keysight / Agilent / HP 3235X Processor Card

HP 3235X Processor Card for 3235 Switch/Test Unit The HP 3235X is the processor/controller card for the HP 3235 Switch/Test Unit (10-slot plugin cage). Catalog title may say VXI; the 3235 family is the Switch/Test Unit hosting 34520 DMM and 34522 DIO class modules, with up to seven 3235E extenders and four analog buses. 3235X is an internal processor PCA, notaDMM and not the 3235PS power supply. Function is chassis-internal CPU/control; measurement specs remain those of installed 3452x plugins. Restore 3235 slot control after CPU failure The HP 3235X is the processor/controller card for the HP 3235 Switch/Test Unit (10-slot plugin cage). Catalog title may say VXI; the 3235 family is the Switch/Test Unit hosting 34520 DMM and 34522 DIO class modules, with up to seven 3235E extenders and four analog buses. 3235X is an internal processor PCA, notaDMM and not the 3235PS power supply. Function is chassis-internal CPU/control; measurement specs remain those of installed 3452x plugins. Restore 3235 slot control after CPU failure Manufacturer: Hewlett Packard / Agilent / Keysight

**MODEL****Keysight / Agilent /
HP 3235X****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****3235X****LISTING**<https://aumictechlabs.com/products/3235x-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Keysight / Agilent / HP 3235X Processor Card is a replacement component that is the control and logic hub for the HP 3235 Switch/Test Unit. This processor card manages instrument interfacing, signal routing, and system coordination between test instrumentation and devices

under test within modular switching and measurement systems. Technical Specifications The 3235X operates within a frame-based architecture featuring a ten-slot plug-in module cage per mainframe or extender. Four backplane analog buses provide isolated signal routing between plug-in modules, both within individual frames and across connected extender frames. Two trigger buses support digital trigger signal transfer across the system. The processor card enables HP-IR compatibility, allowing control from multiple computer platforms. Key Features Ten-slot module cage architecture supports any plug-in configuration per frame Four isolated backplane analog buses for signal routing flexibility Two trigger buses for inter-module and inter-frame digital signaling HP-IR interface support for remote programming and control Supports both switching and instrument plug-in modules Expands to 80 total slots with up to seven HP 3235E Extender Frames Compatible with Quick Interconnect Fixtures for rapid cabling reconfiguration Typical Applications The processor card enables automated test systems requiring high-integrity signal switching, multi-slot module management, and coordinated measurement across distributed instrument assemblies. It coordinates mixed switching and measurement module operations within laboratory test benches and manufacturing test stations. Compatibility & Integration The 3235X integrates directly into the HP 3235 Switch/Test Unit mainframe and supports connection with HP 3235E Extender Frames for system expansion. Compatible plug-in modules include the HP 3235Y HP-IB Interface Module, HP 3235Z Analog Bus Access Module, HP 34520 6.5 Digit Multimeter Module, HP 34522 Digital I/O Module, and HP 34550A Switch Unit Fluorescent Display Module. The Quick Interconnect Fixture (HP 34591A) works with the processor card to streamline external cabling management.

3235X Characteristics / Specifications

PARAMETER	VALUE
Model	3235X
Manufacturer	Hewlett Packard / Agilent / Keysight
Instrument Type	Processor card
Alias	3235X; HP 3235X
Parent Mainframe	HP 3235 Switch/Test Unit
Parent Slots	10 plugin slots
Related 3235PS	cage power supply
Related 345	6.5-digit DMM module
Related Extenders	3235E up to seven
Analog Buses Parent	four analog buses on 3235
Function	processor / controller PCA
Form	printed-circuit assembly
Status	HP 3235 service part
Installation	3235 processor location; mains off
Documentation	3235 service processor
Use	restore listed processor function
Compatibility	3235 mainframe
Identification	3235X
Power	3235 backplane
Cooling	3235 airflow
Firmware	3235 firmware match
ESD	processor PCA
Remote Parent	GPIB on 3235
Not VXI E14	3235 is Switch/Test Unit
Calibration	3235 system after swap

PARAMETER

VALUE

Duty

continuous in 3235

NotADMM

processor only Notes Identity from HP 3235X processor card for the 3235 Switch/Test Unit. Measurement accuracy belongs to 34520/34522 plugins. Confirm 3235X versus 3235PS.

3235X Specifications

PARAMETER	VALUE
HP 3235X Processor Card for 3235 Switch/Test Unit	Overview
Applications	3235 Switch/Test Unit processor spare
Restore 3235 slot control after CPU failure	Service 3235X
Key Features	Processor card 3235X
Not 3235PS PSU	Not 34520 DMM
Technical Specifications	Model: 3235X

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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Specifications

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NotADMM: processor only

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

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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.