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Data Sheet

August 3, 2026

KEYSIGHT / AGILENT

Keysight (Agilent) R/382 Workstation Controller

Alias: R/382; R-382; R382; HP R/382; Agilent R/382 Product lineage: HP 9000 Series 300 Model R382 / 382 (e.g., A1319A class listings) Memory / disk / display: configuration-dependent (confirm installed RAM, mass storage, and monitor on the unit) DIO expansion slots for Series 300 instrument interfaces Product lineage: HP 9000 Series 300 Model R382 / 382 (e.g., A1319A class listings) Memory / disk / display: configuration-dependent (confirm installed RAM, mass storage, and monitor on the unit) DIO expansion slots for Series 300 instrument interfaces GPIB and other instrument I/O via installed accessory cards (site-specific)



MODEL

**Keysight / Agilent
R/382**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

R/382

LISTING

<https://aumictechlabs.com/products/r-382-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Keysight (Agilent) R/382 Workstation Controller is a specialized computing platform designed to manage and control automated test and measurement systems in research, development, and manufacturing environments. Built around an MC68040 CPU, It has the processing power and connectivity required to orchestrate complex instrument configurations across distributed test facilities. Technical Specifications Processing and Display MC68040 CPU architecture High-resolution color graphics: 1024×768 or 640×480 VGA compatible Up to 4 RAM boards supported Mass Storage Internal hard disk options: 52 Mbyte, 210 Mbyte, or 420 Mbyte drives CD-ROM drive support Connectivity Interfaces SCSI interface with internal and external configuration LAN

board for network connectivity HP Parallel Interface HP-HIL (Human Interface Link) HP-IB (Hewlett-Packard Interface Bus) RS-232 serial communication DIO-II I/O controller Audio interface Power and Thermal Internal power supply Operating and non-operating temperature ranges specified in technical data sheets Maximum operating and non-operating altitude limits documented Non-condensing humidity requirements for both operating and non-operating conditions

Key Features The R/382 accepts multiple interface cards to support diverse instrument control scenarios. System board removal utilizes a notch-and-tab alignment mechanism. The controller accommodates substantial onboard storage, enabling local caching of test data and system configurations.

Typical Applications Automated test systems in electronics manufacturing, development laboratories, and production environments benefit from the R/382's multi-interface architecture. It excels in coordinating GPIB-based instruments, serial devices, and LAN-connected equipment within single test sequences.

Compatibility & Integration The controller runs HP-UX operating system and supports HP BASIC/UX 6.2 for test program development. Agilent OpenLab CDS software compatibility extends support to instruments connected via LAN, GPIB, RS-232, or USB protocols, with dedicated Agilent Interface Concentrators (AICs) operating exclusively over LAN connections.

Features & description

From manufacturer datasheet

Features

- Family: HP 9000 Series 300 instrument controller
- CPU: Motorola 68040 @ 25 MHz (R/382 / 382 class)
- Predecessor path: R/332 (68030) → R/362 (68030-25) → R/382 (68040-25)
- Form: Desktop or rack-mountable integrated controller
- Expansion: DIO slot(s) for instrument I/O cards
- Software environments historically: HP BASIC/WS, HP-UX (configuration-dependent)

R382 Characteristics / Specifications

PARAMETER	VALUE
Model	R/382
Manufacturer	Keysight Technologies (HP / Agilent heritage)
Instrument Type	Workstation / Instrument Controller
Alias	R/382; R-382; R382; HP R/382; Agilent R/382 Computing
Processor	Motorola 68040, 25 MHz
Product lineage	HP 9000 Series 300 Model R382 / 382 (e.g., A1319A class listings)
Memory / disk / display	configuration-dependent (confirm installed RAM, mass storage, and monitor on the unit) I/O DIO expansion slots for Series 300 instrument interfaces GPIB and other instrument I/O via installed accessory cards (site-specific)
Family	HP 9000 Series 300 instrument controller
CPU	Motorola 68040 @ 25 MHz (R/382 / 382 class)
Predecessor path	R/332 (68030) → R/362 (68030-25) → R/382 (68040-25)
Form	Desktop or rack-mountable integrated controller
Expansion	DIO slot(s) for instrument I/O cards
Software environments historically	HP BASIC/WS, HP-UX (configuration-dependent)

R382 Specifications

PARAMETER	VALUE
Keysight (Agilent) R/382 Workstation Controller	Overview
Applications	Automated test system control; HP BASIC / HP-UX instrument control; rack-mounted Series 300 controller in production and lab ATE.
Key Features	- Family: HP 9000 Series 300 instrument controller
Technical Specifications	Model: R/382
Computing	Processor: Motorola 68040, 25 MHz
I/O	DIO expansion slots for Series 300 instrument interfaces

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	R/382
Manufacturer	Keysight Technologies (HP / Agilent heritage)
Instrument Type	Workstation / Instrument Controller
Alias	R/382; R-382; R382; HP R/382; Agilent R/382

Computing

Specifications

PARAMETER	VALUE
Processor	Motorola 68040, 25 MHz
Product lineage	HP 9000 Series 300 Model R382 / 382 (e.g., A1319A class listings)
Memory / disk / display	configuration-dependent (confirm installed RAM, mass storage, and monitor on the unit)

I/O

DIO expansion slots for Series 300 instrument interfaces

GPIB and other instrument I/O via installed accessory cards (site-specific)

Operational Notes

Confirm exact SPU bundle (RAM, disk, display, OS) from labels and boot screens. Prefer HP 9000 Series 300 Model 362/382 / R362/R382 service documentation for board-level identity.

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

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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.