

Vertiv™ Avocent® RM1048P Rack Manager



Improve IT Performance with Rack-Level Management and Control

Overview

The Vertiv™ Avocent® RM1048P Rack Manager is an appliance designed to manage IT infrastructure and is built upon a secure common architecture which can scale from Enterprise to Edge.

Benefits

- **Scale without increasing costs:** Support more than a hundred simultaneous users on a single, non-blocking, all-digital rack manager platform.
- **Reduce IP management costs:** Use the Avocent® RM1048P Rack Manager to consolidate IP addresses seamlessly, decreasing costs. Reduce your overall network total cost of ownership by easily integrating the rack manager into your existing architecture.
- **Decrease power costs:** Use the Avocent RM1048P Rack Manager's power over ethernet (PoE) to reduce your cable and power management costs on an ongoing basis.
- **Improve operational efficiency:** Speed deployments by automating configuration and user onboarding with RESTful APIs. Increase your network administration team's efficiency.



The rapid growth of enterprise and edge compute resources is straining data center management processes. Manual processes don't scale and can increase the possibility of staff making network administration errors. Similarly, using myriad vendor tools increases complexity and could cause security issues.

Simultaneously, data center managers want to provide IT teams with remote access capabilities, to increase business responsiveness and continuity. They know it often isn't feasible or desirable to deploy IT talent to edge sites to address local device issues.

The Avocent RM1048P Rack Manager enables data center teams to scale and streamline management processes. It can be used to control large server ecosystems in complex enterprise environments, as well as high-density edge sites. The Avocent RM1048P Rack Manager physically connects to interface modules providing the connectivity for keyboard video and mouse (KVM) over IP and service processors. The Avocent RM1048P Rack Manager is based on open standards and platforms that can easily scale from Enterprise to Edge. As such, it provides connectivity and power, leveraging power over ethernet (PoE), IP consolidation and network translation to connect to – and manage – target devices.

The Avocent RM1048P Rack Manager can be used alone or integrated into the Vertiv™ Avocent® DSView™ Solution to enable comprehensive IT monitoring and management.

Features include:

- **Remote Management:** Access your IT devices via KVM wherever/whenever.
- **Service Processor Management:** Use common access point to manage and control all your service processors.
- **Consolidate IP addresses:** Reduce IP costs by physically aggregating your IT devices on fewer IP addresses.
- **Automate key processes:** Leverage our RESTful APIs to simplify and automate manual tasks.
- **Improve operational security:** Provide secure access to devices at remote sites protected by your firewalls.
- **Access an open platform:** The solution is based on open standards and platforms that can easily scale from Enterprise to Edge.

Ordering Details	Description
ADX-MP1000DAC-400	Avocent® DSView™ Management Platform
ADX-MP1000VA	Avocent® DSView™ Management Platform Virtual Appliance
ADX-RM1048PDAC-400	Avocent® Rack Manager, 48 PoE Ports*
ADX-IPUHD-400	Avocent® IPUHD 4K IP device
ADX-IPIQ-400	Avocent® IPIQ IP KVM device
ADX-IPSL104-400	Avocent® IPSL Serial IP Device

*The Vertiv™ Avocent® MP1000 Management Platform is not required in all situations. Typically used for site aggregation.

Accessories	Description
ADX-DP-400 Avocent®	4K Display Port IP KVM Adapter
ADX-HDMI-400	Avocent® 4K HDMI Adapter
ADX-MINIDP-400	Avocent® 4K Mini Display Port Adapter
ADX-IPPS	Avocent® Power Supply
ADX-RMK-106	Avocent® 4K 1U Rack Mount Kit
ADX-RMK-107	Avocent® 4K Vertical, 21U Gate

Feature	Vertiv™ Avocent® RM1048P Rack Manager
Service Processor Connectivity	Direct BMC connections, via IPUHD
Service Processor Protocols	Redfish
View Service Processor Metrics	✓
Service Processor Control	✓
Modify Boot Order	✓
Control LED Lights	✓
SP Firmware Management	✓
Remote KVM Sessions	HTML5 KVM viewer
Virtual Media	Local and remote
NAT	✓
AD/LDAP, Permissions	✓
Secure Boot	✓
Event Logs	✓
User Interface	New HTML5 Web UI
APIs	RESTful APIs

Standards	
EMI:	CCC
EN55032 Class A	BSMI 13438
EN55024	Safety
EN55035	CB
EN61000-3-2	UL
EN61000-3-3	CCC
FCC Part 15, Subpart B Class A	BSMI 14336-1
VCCI Class A	RoHS-2.0 Compliant

Specifications	Vertiv™ Avocent® RM1048P Rack Manager
Ports	48 x 1G PoE ports and 4 x SFP+ uplinks
Management Ports	1 x management, 1 x console
USB Ports	1 x Type A USB Storage
PoE	IEEE 802.3at
Fan Units	3 Fans
Power Supplies	Redundant/Dual Power
Size (W x D x H)	17.24 x 17.40 x 1.72 in (438 x 442 x 43.7 mm)
Weight	16.91 lb (7.67 kg)
Power Usage	1800 Watts maximum
Input Voltage	100 to 240 VAC at 50-60 Hz

Environmental	
Operating Temperature	0°C to 45°C (32°F to 113°F)
Storage Temperature	-40°C to 70°C (-40°F to 158°F)
Operating Humidity	5% to 90% non-condensing

Warranty and Maintenance (Options)	
Standard Limited	2 Years
Silver and Gold	1, 2 or 4 Years

Vertiv™ Avocent® DSView™ Solution

