

# Vertiv™ Avocent® ADX Rack Manager



Improve IT Performance with Rack-Level Management and Control

## Overview

The Vertiv™ Avocent® ADX 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 ADX 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 ADX 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 ADX 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 ADX Rack Manager physically connects to interface modules providing the connectivity for keyboard video and mouse (KVM) over IP and service processors. The Vertiv™ Avocent® ADX ecosystem 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 ADX Rack Manager can be used alone or integrated into the Vertiv™ ADX Avocent® Ecosystem 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-RM1048PDAC-400	Avocent® ADX Rack Manager, 48 PoE Ports
ADX-IPUHD-400	Avocent® ADX IPUHD 4K IP KVM device
ADX-MP1000DAC-400	Avocent® ADX Management Platform*

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

Feature	Vertiv™ Avocent® ADX 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:
EN55032 Class A
EN55024
EN55035
EN61000-3-2
EN61000-3-3
FCC Part 15, Subpart B Class A
VCCI Class A
CCC
BSMI 13438
Safety
CB
UL
CCC
BSMI 14336-1
RoHS-2.0 Compliant

Specifications	Vertiv™ Avocent® ADX 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® ADX Ecosystem

