
RC8300

6OU ORV3 Customized Rack



With over 30 years of expertise in rack design and manufacturing, ATEN offers precision-engineered solutions that meet global certifications such as UL (North America) and CE (Europe), and holds numerous patents (e.g., M377678, M385174, M513193). All ATEN racks are proudly manufactured in Taiwan and fully comply with the EIA / ECA-310-E standard. From core structure to intelligent accessories, ATEN racks are designed to meet the stringent demands of data centers and IDCs for energy efficiency and operational security.

To address the growing demands of high-performance server technologies such as AI, virtualization, and network storage, ATEN introduced 44 OU and 48 OU ORV3 racks, developed in compliance with the Open Rack V3 Base Spec of the Open Compute Project (OCP), tailored for modern cloud data center environments.

As ORV3-compliant servers, power modules, network, and storage devices continue to gain traction, ATEN offers customized ORV3 racks designed to support tailored deployment needs. The customized racks support 21" equipment, 48V bus bars, and Power Shelf modules and are available in 6 OU heights, ideal for lab development or production line testing environments.

Features

- Custom-designed based on the ORV3 Open Rack V3 Base Spec
- Supports installation of 48V bus bars and Power Shelf modules for stable power delivery to ORV3 equipment (servers, networking, storage devices)
 - *Optional Power Shelf Support Bracket (Model: [RA8200](#)) available
- Features 48 mm OU height – more spacious than traditional 44.45 mm – for improved equipment installation flexibility
- 21" internal width, supports optional 19" EIA Adapter Brackets for compatibility with legacy EIA equipment
- Adjustable leveling feet at the base of the rack for on-site height and stability customization
- Top and bottom cable entry cutouts for easy cable routing and installation flexibility
- Ideal for lab and production line environments for testing ORV3-compliant servers, power modules, networking, and storage devices

• Optional Accessories

- Removable side panel kit
- 1 OU Fixed Blank Panel
- ORV3 Equipment Support Bracket
- Power Shelf Support Bracket
- 19" EIA Rail Adapter Kit (2 RU)

• Supported Components

- 48V Bus Bar
- Power Shelf Module

• Standard Inclusions

- ORV3 Customized Rack × 1
- Caster set × 4
- Leveling feet × 4

Specifications

Physical Properties	
Rack Height (U Spaces)	6OU
Internal Height	318 mm
Overall Height, Casters Included	464 mm
Overall Height, Casters excluded	414 mm
Overall Depth	1068 mm
Overall Width	600 mm
Color	Black (RC8300B)
Enclosure Frame	SPCC / SPHC
Weight Loading (Dynamic)	400 kg
Weight Loading (Static)	250 kg
