

PCEI-SD-42

42U Standard Rack with Perforated Front and Rear Doors



With more than 30 years of experience in R&D and manufacturing cabinet products, ATEN can tailor exclusive products for its customers based on their needs. Our cabinet products, all of which are extremely popular, have been certified by UL and by CE. All ATEN's rack products are EIA/ECA-310-E compliant. Our high-quality cabinets have multiple patents numbered: M377678, M385174, and M513193.

All ATEN's PCE series standard racks are designed for energy saving and carbon reduction, all of which feature heavy-duty construction, intelligent design, safety, and robustness. ATEN rack solutions are ideal for any kinds of [data center](#) builds and their cable management.

Features

• Heavy-duty Construction

- The frame of the rack consists of three parts: extruded 6063 T5 aluminum columns, beams and beam-to-column connections that are made of aluminum-alloy (ADC12) with t-shaped brackets. For added robustness, beams and columns are connected to beam-to-column connection by M8 screws
- Static loading capacity up to 1800kg and dynamic loading capacity up to 1000kg
- Certified MIL-STD-167/MIL-STD-810G vibration test (Military Standard)
- Certified GR-63-CORE Zone4 seismic test (Equivalent to earthquake of magnitude eight)
- All ATEN's PCE series rack products are EIA/ECA-310-E compliant
- Adjustable mounting rails are made from cold-rolled steel (SPCC). The materials are triple bent so as to enhance its loading capacity

• Airflow Management

- The components of the structure are designed for ergonomics with high-precision quality and for optimizing airflow management to conserve energy and reduce carbon emissions
- Perforated doors for massive front-to-rear airflow provide a ventilation rate above 66%. (The distance cross the corners of the hexagonal mesh is 2mm, and the length of its side is 5mm.)
- Quick-release side panels offer simple and effortless installation
- Multi-module fan unit (2-fan unit / 4-fan unit/ 6-fan unit) can effectively manage the hot air from operating equipment. These are UL compliant and can help increase electrical safety

• Intelligent Design

- Multi-stage quick-release top and bottom covers allow cables to easily pass through the rack
- U positions are numbered on adjustable mounting rails to help IT experts recognize the position to quickly install equipment
- M16 leveling feet secure the racks in place by adjusting the leveling feet even if the racks are set up in a server room with non-raised floors
- Lifting eye-bolts (M16 thread) at the top of the rack, which can be used to hang and move the rack when an elevator is not available
- The high-strength horizontal support rails can disperse the weight of IT equipment, making the racks robust and safe
- Anti-seismic connection design (such as side baying connectors or top baying connectors) offers safe connections in between racks and in between racks and the building

• Certifications

- UL Certified and CE Certified
- Compatible with the latest specification of EIA/ECA-310-E
- Certified MIL-STD-167/MIL-STD-810G vibration test (Military Standard)
- Certified GR-63-CORE Zone4 seismic test (Equivalent to earthquake of magnitude eight)
- Qualified for a static load test of 1800kg

• Includes

- PCEI-SD-42 standard rack enclosure frame × 1 pc
- Perforated front and rear doors with aluminum frame (with door lock and keys) ×2 pcs
- Removable upper and lower side panels × 2 sets
- Roof and floor panels × 1 set
- Caster × 4 pcs
- Leveling feet × 4 pcs
- M5 Mounting Screw × 50 pcs
- Cage nut × 80 pcs

*For more rack door type available to the rack, please refer to the data sheet.

Specifications

Function	PCEI-427560-19	PCEI-429060-19
Part Number	YFAB-427560-001	YFAB-429060-001
Physical Properties		
Rack Height (U Spaces)	42U	42U
Internal Height	1869 mm	1869 mm
Overall Height, Casters Included	2045 mm	2045 mm
Overall Height, Casters excluded	1965 mm	1965 mm
Overall Depth	750 mm	900 mm
Overall Width	600 mm	600 mm
Color	Black / White	Black / White
Enclosure Frame	AL 6063T5	AL 6063T5
19" EIA Rails	SPCC / SPHC	SPCC / SPHC
Roof and Floor Panels	SPCC / SPHC	SPCC / SPHC
Door Type	Perforated Front Door with Alu. Frame Perforated Rear Door with Alu. Frame	Perforated Front Door with Alu. Frame Perforated Rear Door with Alu. Frame
Side Panel Type	Lockable Side Panels - Split	Lockable Side Panels - Split
Weight Loading (Static)	1800 kg	1800 kg
Weight Loading (Dynamic)	1000 kg	1000 kg

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