

42U Aluminum Network Rack with Tempered Glass Door

This high-density 42U network rack is designed with a robust aluminum structure. It is equipped with a tempered glass door for easy monitoring and access to servers, networking equipment, and other IT infrastructure components.



Overview

High-Performance 42U Aluminum Network Rack

The YAN Series network rack is engineered with a high-precision 19-inch magnesium aluminum alloy structure, offering a superior static load capacity of 1500 kg. Designed for demanding data center environments, it features a high ventilation rate of over 70% and a premium tempered glass front door for easy equipment monitoring. This robust enclosure combines structural integrity with a refined electrostatic spray finish, ensuring long-term durability and professional aesthetics for IT infrastructure.

Key Performance Metrics

Performance Highlights

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| 1500 kg Static Load Capacity | 70 % Ventilation Rate | 180 ° Front Door Opening |
|--|---------------------------------|------------------------------------|

Structural Specifications

Materials & Construction

- Main Structure: 19" Magnesium aluminum alloy
- Frame: ADC12 aluminum high precision die-casting (Top & Bottom)
- Pillars: 6063_T5 tensile aluminum
- Front Door: 5mm Safety tempered glass with aluminum frame
- Rear/Side Doors: Solid cold rolled steel sheet (1.0-1.5mm thickness)

Material Thickness

| Component | Minimum Thickness |
|-------------------|-------------------|
| General Structure | e 2.5mm |
| Bearing Parts | e 5.0mm |
| Glass Door | 5.0mm |

Dimensions & Scalability

Standard Footprint

- Width: 600mm
- Depth: 600mm

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|----------------------|------------------------------|
| Available Rack Units | 19U, 24U, 28U, 33U, 37U, 42U |
|----------------------|------------------------------|

Design & Finish

Surface Treatment

- Degrease pickling
- Rust-proof treatment
- Parkering
- Electrostatic spray (fine sand blast)

Available Colors

Black (RAL 9005) • Black grey (RAL 7021) • Light grey (RAL 7035) • Signal black (RAL 9004)

Compliance & Standards

Regulatory Compliance

IEC297-1, IEC297-2, DIN41494 part 7, ANSI/EIA RS-310-D

Door Configurations

Rear & Side Door Options

- Single panel solid steel
- Single panel mesh (Hexagon perforated)
- Double mesh door (Hexagon perforated)