

# 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

<b>1500 kg</b> Static Load Capacity	<b>70 %</b> Ventilation Rate	<b>180 °</b> Front Door Opening
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## 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

Available Rack Units	19U, 24U, 28U, 33U, 37U, 42U
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## 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)