

# 42U Aluminum Server Cabinet with Perforated Door

This 42U aluminum server cabinet is designed to house and protect sensitive electronic equipment. It features a hexagon perforated door for optimal ventilation and cooling.



## Overview

### High-Performance 42U Aluminum Server Solution

This 42U server cabinet is engineered with a high-precision magnesium aluminum alloy frame, offering a superior strength-to-weight ratio for demanding data center environments. Featuring a hexagon perforated front door with a ventilation rate of over 75%, it ensures optimal airflow for high-density server configurations. The robust construction supports a static load capacity of 1500kg, while the electrostatic spray finish provides long-term durability and resistance to wear.

## Physical Dimensions

### Width Options

- 600mm
- 800mm

### Depth Options

- 800mm
- 1000mm
- 1100mm
- 1200mm

### Available Rack Heights

19U, 24U, 28U, 33U, 37U, 42U

## Structural Performance

### Performance Highlights

**1500 kg**

Static Load Capacity

**75 %**

Ventilation Rate

**130 °**

Door Opening Angle

## Material Specifications

### Component Thickness

Component	Thickness
Standard Pillars	e2.5mm
Bearing Parts	e5.0mm
Rear/Side Doors	1.0mm - 1.5mm

### Frame Construction

ADC12 aluminum high precision die-casting combination frames

### Pillar Material

6063\_T5 tensile aluminum

## Door & Ventilation

Front Door Design	Single panel hexagon perforated ventilation mesh
Rear & Side Door Material	Cold rolled steel sheet

## Finish & Aesthetics

### Surface Treatment

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

### Available RAL Colors

RAL 9005 (Black) • RAL 7021 (Black Grey) • RAL 7035 (Light Grey) • RAL 9004 (Signal Black)