

NOVA™

High Density Server Cabinet



Application

The Clearfield NOVA High Density Server Cabinet is purpose-built for the demands of transforming data center weight, cooling, and spatial demand—delivering exceptional structural strength, optimized airflow pathways, and intelligent space planning for today's AI and hyperscale environments.

AI deployments demand more than a standard rack. Dense GPU arrays, liquid-cooling manifolds, redundant power distribution, and massive cable volumes require both unmatched load capacity and strategic internal layout. The Clearfield NOVA High Density Server Cabinet is designed precisely for that.

Description

The NOVA High Density Server Cabinet is built with Clearfield's streamlined aluminum-extruded frame, delivering exceptional durability while maintaining a clean, modern aesthetic.



Features and Benefits

Integrity

- Rugged and multifunction Welded 6063-T5 Aluminum Extrusion Frame Design
- 19" Rack Mount Spacing
- Multiple depth and overall width options
- Designed and Manufactured in the USA

Access

- HD Caster base with levelers
- Solid Top Panel with (2) 12" x 4" Cable Access Cutouts front and rear, and (2) 24" x 4" Cable Access cutouts on Left and Right; Brush kit available
- 78% Perforated front and rear doors for ideal air flow

Technical Specifications

HD Server Cabinet	
Dimensions	Multiple Dimensions available, please see the preconfigured part numbers
Weight Load	Dynamic 4,000 lbs.; Static 5,000 lbs.
Mounting	19" mounting
Colors	Black
Material	Aluminum-extruded; textured powder coated finish

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Configured Part Numbers

Part Number	Description
N-CB-42-29-50-B-HD	NOVA HIGH DENSITY SERVER CABINET, 42 RU, 29W X 50D, ALUM BLACK
N-CB-42-29-60-B-HD	NOVA HIGH DENSITY SERVER CABINET, 42 RU, 29W X 60D, ALUM BLACK
N-CB-42-31-50-B-HD	NOVA HIGH DENSITY SERVER CABINET, 42 RU, 31W X 50D, ALUM BLACK
N-CB-42-31-60-B-HD	NOVA HIGH DENSITY SERVER CABINET, 42 RU, 31W X 60D, ALUM BLACK
N-CB-48-29-50-B-HD	NOVA HIGH DENSITY SERVER CABINET, 48 RU, 29W X 50D, ALUM BLACK
N-CB-48-29-60-B-HD	NOVA HIGH DENSITY SERVER CABINET, 48 RU, 29W X 60D, ALUM BLACK
N-CB-48-31-50-B-HD	NOVA HIGH DENSITY SERVER CABINET, 48 RU, 31W X 50D, ALUM BLACK
N-CB-48-31-60-B-HD	NOVA HIGH DENSITY SERVER CABINET, 48 RU, 31W X 60D, ALUM BLACK
N-CB-52-29-50-B-HD	NOVA HIGH DENSITY SERVER CABINET, 52 RU, 29W X 50D, ALUM BLACK
N-CB-52-29-60-B-HD	NOVA HIGH DENSITY SERVER CABINET, 52 RU, 29W X 60D, ALUM BLACK
N-CB-52-31-50-B-HD	NOVA HIGH DENSITY SERVER CABINET, 52 RU, 31W X 50D, ALUM BLACK
N-CB-52-31-60-B-HD	NOVA HIGH DENSITY SERVER CABINET, 52 RU, 31W X 60D, ALUM BLACK