CLEARCUBE

Enhanced Security, Manageability, and Simplicity
with the A3100, a Chassis for Blade Computers

A3100
Blade PC Chassis

KEY FEATURES

General
6U Chassis has the capacity for ten A-Series blades; fused and switched AC power distribution with two redundant A/C line connections for every 5 blades; integrated retention clips for each A/C input cord; front bezel removes without tools for easy access to blades (blade power indicators shine through the bezel at the bottom)

Network Module
Twenty 10/100/1000 Ethernet connections (RJ-45) Ten PCoIP (RJ-45) Four AC Power Connectors (Blades 1-5; Blades 6-10)

Extended Warranty
(Optional)

TECHNICAL SPECS

Environment
Standard office installation, 0-35° C

Power Consumption
12 A peak, 4.5 - 6.5 A nominal at 120 VAC fully loaded

Power Supply
Universal 100 -240 VAC, 50-60 Hz input

Weight
38 lbs. (17.2 kg) empty ; 173 lbs. (78.5 kg) fully loaded

Dimensions
10.5" (26.7 cm) x 29.8" (75.7 cm) x 19.0" (48.3 cm)

Regulatory Compliance
FCC/CSA Class A, UL1950, IEC950, CE

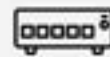| Part Number	Part Description
G0900011	A3100 Blade PC Chassis

RevM06142023

BENEFITS

Ease of installation and maintenance while supporting powerful, centralized computers

Holds up to 10 blades in 6U form factor

Each chassis contains four switched AC line connections

Can be mounted in a standard 19" rack

Expansion Backplane (EBP) to manage cabling of Ethernet, PCoIP, and USB connectivity

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FEATURE-RICH, GREAT PERFORMANCE

The A3100 chassis features the Expansion Backplane (EBP) to manage cabling of Ethernet, PCoIP, and USB connectivity. The EBP, along with the ClearCube Sentral™ management software, is used to identify the blade slot and chassis ID that an A-Series blade is occupying. Integrated power cable retention clips are included on the rear of the chassis for each power cable. The A3100 can be mounted in a standard 19" rack with the included rack mounting ears or with the optional chassis rapid mounting kit.

A3100 CHASSIS WITH EXPANSION BACKPLANE

ClearCube's A-Series PC blades and chassis combine the best of both worlds: the enhanced security, manageability, and simplicity of the centralized ClearCube solution with the compatibility and performance of a desktop PC.

The unique mechanical architecture of the A-Series hardware is designed for simplicity, resulting in ease of installation and maintenance while supporting industry-standard Intel® processors as well as the latest Microsoft Windows operating system.

HIGH RACK DENSITY, 10 BLADES IN 6U

The A3100 chassis contains no cooling fans or active electronics; all active components are contained within the A-Series blades. Each chassis contains four switched A/C line connections. Two of the A/C lines redundantly power blades 1 through 5 and the other two A/C lines redundantly power blades 6 through 10. This approach eliminates the need to use dedicated, high-current electrical power circuits (standard 100-240 VAC inputs suffice). Individual blades can be added or removed from the chassis without affecting the operation of others.

Ordering Information: CALL 512.652.3500

Email: sales@clearcube.com to order or for more information