

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® Core i7™, Core i5™ series 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..

New Features, Greater 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.

Support Quad-Monitor Over IP

Working with ClearCube's Quad Monitor Zero Client and the A6106 PC blades—the industry's first quad-monitor over IP solution—the A3100 helps shatter the distance barrier by supporting as many as four monitors at once with simultaneous full screen, full motion video at high resolution.



A3100 with front cover in place



A3100 front open, one blade pulled



A3100 rear view

Specifications

A3100 Chassis Specifications

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)
Connections	Twenty 10/100/1000 Ethernet connections (RJ-45) Ten PCoIP (RJ-45)
Dimensions	Four AC Power Connectors (Blades 1-5; Blades 6-10) 10.5" (26.7 cm) x 29.8" (75.7 cm) x 19.0" (48.3 cm)
Weight	38 lbs. (17.2 kg) empty ; 173 lbs. (78.5 kg) fully loaded
Power Supply	Universal 100 - 240 VAC, 50-60 Hz input
Environment	Standard office installation, 0-35° C
Regulatory Compliance	FCC/CSA Class A, UL1950, IEC950, CE



Ordering Information

Use one of the following part numbers to order your A3100 Chassis with EBP:

A3100 Chassis

Part Number	Description
G0900011	Chassis with Expansion Backplane
G091075	Chassis rapid Mounting Kit
Power Cord (Required)	
G060036A	North American Power Cord (Included)
G060020A	United Kingdom Power Cord
G060034A	European Power Cord