

R4300 Series Chassis

The R4300 Chassis features the highest levels of flexibility, scalability and reliability for the most demanding business environments. Each chassis is a self-contained, 3U unit that provides all of the Ethernet connections, airflow management and power required by the R Series blades. Each chassis can house up to eight R Series blades and 14 chassis (112 Blades) can be mounted in a standard 6 foot rack. The chassis is based on a modular architecture that can be configured to optimally support ClearCube C/Ports, I/Ports or both.



The chassis features multiple levels of redundancy that enable end-user uptimes exceeding 99.99%. Dual AC inputs, automatic variable speed fans, hot-swappable power supplies and redundant, hot-swappable management modules all serve to deliver unprecedented levels of reliability for PC blade computing. The modular design of these components is backward compatible with previous-generation equipment, enabling existing customers to upgrade their current chassis without having to remove the PC blades from the racks in which they are installed.

Each chassis includes three configurable module bays that provide the connection, management and networking functionality described below (see the R4300 Modules datasheet for more information). When combined with ClearCube management software, the modules deliver unique capabilities such as hot sparing, blade switching, hardware remote control and out-of-band blade management.

Connect Bay – Connect modules provide user port connections and features such as hardware remote control and administration, blade sparing and 8x8 switching.

Management Bay – The Remote Management Module (RMM) controls switching in the Connect Module and monitors blade and chassis status over the system management bus. The RMM communicates with ClearCube Sentral via an Ethernet connection to carry out blade sparing, 8x8 switching and management functions.

Network Bay – The Ethernet Pass-thru Module contains Ethernet jacks for connecting each blade in the chassis to an external network switch.



R4300 Chassis Module Bays

DATA SHEET

Specifications:

General:	8 slot chassis 3U (5.25" high, standard 19" rack width, 30" deep) Four variable-speed, high-flow exhaust fans located in rear (340 CFM max.) AC power supplied to each individual PC blade slot from dual AC input Power consumption: 12 A peak, 4.5 - 6.5 A nominal at 120 VAC fully loaded One rack mount kit with adjustable brackets included
Dimensions:	5.25" H x 17" W x 30" D (13.3 cm x 43.2 cm x 76.2 cm)
Weight:	42 lbs. (19 kg) with modules installed, 85 lbs. (39 kg) with modules and 8 blades
Power Supply:	Universal 100 - 240 VAC, 50-60 Hz input, Dual Input with automatic transfer switch
Environment:	Standard office installation, 0-35° C
Regulatory Compliance:	FCC/CSA Class A, UL1950, IEC950, CE

Ordering Information

Use the following part numbers to order your R4300 Series chassis and modules:

GR4302CB – This bundle includes the R4300 Chassis, Remote Management Module, 16-port Network Module and Chassis Rapid Mounting Kit

Connect Modules (One required per chassis)

G091068 – Model R4387 8x8 Connect Module*

G091067 – Model R4380 Administration Connect Module*

*Customers should purchase at least one ClearCube C/Port to assist in blade setup and administration

Power Cord (Two cords required per chassis)

G060036 – North American Power Cord

G060020 – United Kingdom Power Cord

G060034 – European Power Cord

060043 – Japanese Power Cord

G060038 – Australian Power Cord

G090041 – Old United Kingdom Power Cord

Spare/Upgrade Items (Recommended)

GR4324UB – R4300 Chassis Upgrade Bundle (upgrades Blade Switching or Direct Connect Cage to R4300 Chassis)

GR4320 – Fan Tray

GR4316 – Power Supply

Extended Warranty (Optional)

G091127 – R4300 Chassis and Modules 3 Yr. Warranty