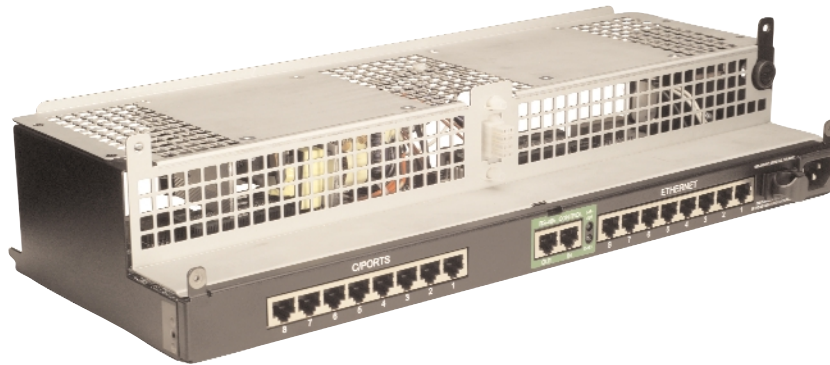




R Series Direct Connect BackPack

Each ClearCube Cage uses a BackPack to provide external connections for the Client Blades. The BackPack contains distance extension circuitry required to transmit signals to the C/Port as well as the Ethernet connection for each Blade. In addition, the BackPack provides management and control ports which allow the administrator to manage Blade and Cage status and health parameters.

The Direct Connect BackPack has a fixed link between each Blade and its external connections. In order to switch a user to a spare Blade, the administrator must physically move the appropriate C/Port cable to the connector for the designated spare. If an administrator requires remote switching ability, the Blade Switching BackPack should be ordered instead.



Remote Management Card

The Remote Management Card (RMC) monitors Blade and Cage status over the systems management bus that connects to the control ports in the BackPack. The RMC reports Blade status even if a Blade is not functioning and communicates with the administrator's console over either the standard LAN shared by all computers or a dedicated systems management LAN. Each rack of Cages includes a Primary Cage equipped with a RMC. The Primary Cage uses an Ethernet connection for the control input and an RS-485 connection for control output, which is daisy-chained to the remaining Cages in the rack via the control input/output ports. Each BackPack has a control indicator light that specifies whether the input should be Ethernet or RS-485. The RMC interacts with the ClearCube Management Suite software to monitor the following parameters:

- Blade Status
- Cage fan and power supply health
- Cage temperature
- Cage slot status (Blade present or not)

BackPack Power Supply

Each BackPack comes equipped with either a single or dual-redundant power supply. This system powers the circuitry in the BackPack and the systems management circuitry on the Blades. This allows the ClearCube Management Suite to access Blade information even when the Blades are powered off.

Specifications

Connections

- Eight 10/100 Ethernet connections
- Eight standard C/Port connections
- One management and control input port (Ethernet or RS-485)
- One management and control output port (RS-485)

Dimensions: N/A - the BackPack fits into the rear of the Cage beneath the fan assembly

Environment: Stationary installation, 0-35° C

Ordering Information: Use the following part numbers to order your ClearCube Cages with Direct Connect BackPacks*

*Each BackPack is sold pre-installed in a Cage unless specifically ordered as a spare

**One Cage in each rack must have a Remote Management Card (RMC)

CG4-DCBP	R Series Cage with Direct Connect BackPack and single Power Supply
CG4-DCBP-DUAL	R Series Cage with Direct Connect BackPack and dual Power Supply
CG4-DCBP-DUAL-RMC**	R Series Cage with Direct Connect BackPack, dual Power Supply & RMC
BP-DCBP-DUAL	Spare Direct Connect BackPack and dual Power Supply
CMS	ClearCube Management Suite with Management Console, Blade Manager, Image Manager, Data Failover, and Switch Manager Software