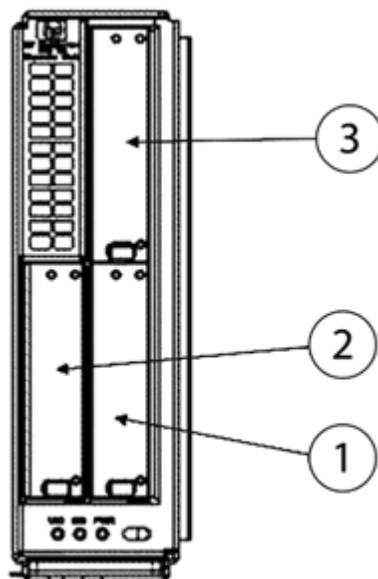


### Overview

The HP BladeSystem AMC carrier-grade expansion blade provides AMC (Advanced mezzanine card) module expansion slots to an adjacent BL460c c-Class server blade. This blade expansion unit enables the c-Class blade server to add off-the-shelf, industry standard AMC module functionality to their HP carrier-grade c-Class enclosure. Customers would need one AMC expansion blade for each c-Class BL460c server blade needing AMC module expansion. HP does not offer any warranty or provide support for third-party AMC manufactured products. Please visit: [www.hp.com/go/bladesystem/carriergrade](http://www.hp.com/go/bladesystem/carriergrade) for more information on HP carrier-grade offerings.



1. AMC #1
2. AMC #2
3. AMC #3

### At A Glance

- **AMC CG expansion blade features:**
  - Requires pairing with a BL460c processor blade.
  - Supports up to three 4HP AMC modules.
  - Both PCI x4 (conforming to AMC.1) and two 1G Ethernet interfaces (conformant to AMC.2) on AMC module supported. (AMC Ethernet interface requires optional Ethernet switch module installed in chassis.)
- **Form Factor:**
  - Standard c-Class half-height blade form factor
- **Warranty:**
  - The HP BladeSystem AMC CG Expansion Blade is protected by HP Services and a worldwide network of resellers and service providers. 3-year parts, 3-year labor and 3-year on-site limited global warranty. Certain restrictions and exclusions apply.
  - HP provides no warranty for third-party AMC modules, and HP provides no support of the use of third-party AMC modules within the AMC CG expansion blade.

### Overview

### Models

**NOTE:** The AMC CG expansion blade provides AMC module slots for an adjacent BL460c c-Class server blade. Order one AMC CG expansion blade for each BL460c server blade needing AMC module slots.

HP AMC CG Expansion Blade

AH333-2000A

**NOTE:** Ships with three blank filler panels. Blank panels must be installed in any unused slots.

### Product Highlights

#### Key Features

Features of the AMC CG Expansion Blade include the following:

Provides three AMC module expansion slots for a BL460c c-Class server blade in an adjacent enclosure bay.

- Each AMC CG expansion blade can hold one to three AMC modules (single wide, 4 horizontal-pitch) conformant to the PICMG standards AMC.0, AMC.1 and AMC.2.
- The AMC expansion slots are rated up to 80 watts per slot.
- The PCI x4 are connected to each of the three slots and the adjacent host processor through a PCIe switch.
- 1 G Ethernet interfaces are mapped to all 8 fabric ports that may be optionally enabled. An Ethernet switch module must be installed in the c-Class enclosure to access these ports.
- Provides connectivity for third-party non-HP AMC modules conforming to AMC.0, AMC.1 and or AMC.2. Examples are, E/T1/J1 or ATM OC-3/STM-1 and other special purpose telecommunications cards.

#### LED Indicators

Front panel LEDs indicate power and system health status and provide locator functions.

#### Density

The AMC CG expansion blade fits into a half-height bay in the HP BladeSystem c7000 enclosure. Eight AMC CG expansion blades are supported in one c7000 enclosure.

#### Manageability

The AMC CG expansion blade and its AMC modules are managed by the adjacent BL460c server blade and its operating system. Additional Ethernet configurations are available through the enclosure management LAN interface.

#### Product Kit Contents

AMC CG expansion blade, three slot filler modules, "Read This First" installation notice.

### Service and Support, HP Care Pack, and Warranty Information

#### Warranty

Protected by HP Services and a worldwide network of HP Authorized Channel Partners. 3-year parts, 3-year labor and 3-year on-site limited global warranty. Certain restrictions and exclusions apply.

#### Service and Support

The AMC CG expansion blade is covered by a global limited warranty and supported by HP Services and a worldwide network of HP Authorized Channel Partners. Hardware diagnostic support and repair is available for three years from date of purchase. Additional support may be covered under the warranty or available for an additional fee. Enhancements to warranty services are available through HP Care Pack services or customized service agreements.

**NOTE:** HP does not offer warranty and support services for third-party AMC modules. This is the responsibility of the manufacturer or distributor of the AMC modules.

HP Services provides total care and support expertise with committed response designed to meet your IT and business needs.

The HP Care Pack service for ProLiant BL c-Class server blades, cover the server blade and all HP branded hardware options qualified for the server, purchased at the same time or afterwards, internal to the server.

To fully capitalize on your HP BladeSystem servers' capabilities requires a service partner who thoroughly understands your server technology and systems environment. HP Services, an industry leader in provision of multi vender support solutions provides a range of support services designed to meet the varying needs of business. Whether an SMB or large global corporation HP has a HP BladeSystem server support offer to help you speedily deploy and maximize system uptime.

**Recommended Service** - simplify ProLiant solution implementation, maintenance, and management.

- **Support** - 3-Year, 24x7, Same Business Day, 4-Hour response coverage
- **Deployment Service** - Installation and Start Up for HP BladeSystem Infrastructure

**Enhanced Service** - optimize service level to increase IT performance and availability.

- **Support** - 1-Year HP Proactive BladeSystem Service
- **Deployment Service** - Enhanced Network Installation and Start-up for HP BladeSystem Switches

Installation & Start-Up service for HP BladeSystem Infrastructure plus HP BladeSystem Enhanced Network Installation and Start-Up as per the Customer Description and/or Data Sheet. To be delivered on a scheduled basis 8am-5pm, M-F, excluding HP holidays.

For a complete listing of service offerings and information visit:

<http://www.hp.com/services/bladessystemservices>

<http://www.hp.com/go/proliant/carepack>

### Technical Specifications

HP AMC CG Expansion Blade	Dimensions	Height	2.207 in (5.61 cm)
		Depth	20.058 in (50.95 cm)
		Width	7.154 in (18.17 cm)
	Weight	Maximum	10.0 lbs (4.54 kg)
	Temperature Range*	Operating***	23° to 122° F (-5° to 50° C)
		Non-Operating	-40° to 158° F (-40° to 70° C)
	Relative Humidity	Operating***	5% to 90%
		Non-Operating**	5% to 93%
	Altitude***	Operating	104° F 40° C to 6,000 ft (1800 m) 86° F (30° C) to 13,000 ft (4000 m)

\*All temperature ratings shown are for sea level. No direct sunlight allowed.

\*\*Non-operating maximum humidity of 93% is based on a maximum temperature of 104° F (40° C).

\*\*\*Telcordia GR-63-CORE requirements for frame-level equipment.

### Environment-friendly Products and Approach

### End-of-life management and Recycling

Hewlett-Packard offers end-of-life HP product return, trade-in, and recycling programs in many geographic areas. For trade-in information, please go to <http://www.hp.com/go/green>. To recycle your product, please go to: <http://www.hp.com/go/green> or contact your nearest HP sales office. Products returned to HP will be recycled, recovered or disposed of in a responsible manner.

The EU WEEE directive (2002/95/EC) requires manufacturers to provide treatment information for each product type for use by treatment facilities. This information (product disassembly instructions) is posted on the Hewlett Packard web site at: <http://www.hp.com/go/green>. These instructions may be used by recyclers and other WEEE treatment facilities as well as HP OEM customers who integrate and re-sell HP equipment.

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