

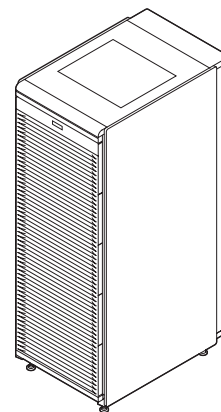


H9A10/H9A15 Marquee Cabinet Service Access - Certified Integration Partner (CIP) Advisory

EK-MARQE-CN. A01

Purpose of this CIP Advisory

The purpose of this document is to provide CIP users of the DIGITAL H9A10 and H9A15 MARQUEE cabinets with important information regarding methods of stabilizing the cabinets, disconnecting multiple power cords, and proper electrical grounding.



Marquee Cabinets - Approved Options List

H9A10 and H9A15 MARQUEE cabinets are approved for service access only. Skilled service persons are required to extend stabilizer legs prior to extending any system box or other slide-mounted drawer, to know the proper disconnect procedures for multiple (H7600-xx) power cords and to assure proper grounding is maintained in the presence of high leakage currents. Caution labels appear on the product to remind the service person of these requirements. Table 1 lists System Box, Storage Shelf and Memory Channel information.

Table 1

System Boxes:	AS4000	BA30X Series
	AS4100	BA30X Series
	AS1200	PB700 Series
	AS800	PB800 Series
Location:	System boxes are typically mounted from the bottom up. See drawings B-IB-H9A10-5-0 and B-IB-H9A15-3-0 at http://www.digital.com/alphaserver/products/m-series.html .	
Storage Shelf	Typically BA356-SB/-SE, but any storage shelf using the BA35X-HH, 180W power supply (30-41819-xx) can be used. Only "Listed Accessories approved for use with 300 Series Storage Shelves" are permitted to appear within the shelf. Each device will have wording to this effect on its label.	
Location:	Storage shelves are typically mounted from the top of the cabinet down. They may be mounted back-to-back but only in accordance with drawings B-IB-H9A10-5-0 and B-IB-H9A15-3-0. In each case, the cabinet's top flushing fan assists with cooling. Storage shelves may also be mounted between system boxes (chimney blocks), but only with horizontal flushing fan assemblies mounted in every other rear position. See http://www.digital.com/alphaserver/products/m-series.html .	
Memory Channel	CCMHA-AA	
Location:	Memory Channel may be mounted in any available position but cannot be counted as a system box for ballast weight purposes. See B-IB-H9A10-5-0 and B-IB-H9A15-3-0 for details.	

(continued)

Marquee Cabinet - AC Input Rules

Some system boxes can have up to three power supplies. Where multiple power cords come from the same system box, they should be plugged into the same H7600-xx assembly.

H7600-AA has its outlets segmented for over-current protection. J1, J2, J3 are protected by one pole of the circuit breaker and J4, J5 protected by the other pole of the same circuit breaker. Multiple power cords from the same system box should be plugged into the same segment of outlets.

H7600-DB has all its outlets protected by the same circuit breaker where one pole breaks phase and the other breaks neutral. It makes no difference which outlets receive which power cords, but attention should still be paid to having all power cords from the same system box go to the same H7600-DB.

Up to six AS800 system boxes can appear in a cabinet. For H7600-AA, plug two system boxes into the J4, J5 segment with a third system box, fan tray and any two storage shelves into the J1, J2, J3 segment. Repeat for the second H7600-AA as needed. For H7600-DB, split the system boxes evenly (up to three for each H7600-DB) and do likewise for any storage shelves.

Storage shelves with two power supplies should be treated just like a shelf with a single supply. Both power cords from the same shelf should be plugged into the same H7600 and same segment for H7600-AA. These power supplies are for redundancy, so their total AC current will be the same as if a single supply were present. They may not share loading well, so the split in AC-input current will be unequal between them. This could cause problems unless treated as above.

These rules assume no UPS unit is present and will change when UPSs are qualified for use within MARQUEE cabinets.

Table 2 AC Input Rules for the H9A10/H9A15 Marquee Cabinets

Model	VAC	Hz	Power Cord Amp
H9A10-MA,-MC w/H7600-AA	100-120VAC	50-60Hz	14A each power cord
H9A10-MB,-MD w/H7600-DB	220-240VAC	50-60Hz	7A each power cord
H9A15-MA,-MC w/H7600-AA	100-120VAC	50-60Hz	20A each power cord
H9A15-MB,-MD w/H7600-DB	220-240VAC	50-60Hz	9A each power cord

MARQUEE Cabinet Requirements for Ballast Weight Kits

- The number of ballast kits required is determined by the number of system boxes.
- No substitutions allowed.
- Ballast kits are to be installed from the bottom up.
- See B-IB-H9A10-5-0 and B-IB-H9A15-3-0 for details.
- On the Internet, see <http://www.digital.com/alphaserver/products/m-series.html> for details and installation.
- Refer to Table 3 and Table 4 on following page.

Table 3 Model H9A10-MX Cabinet Requirements for Ballast Weight Kits

Model	Type of System Box		
H9A10-MX	AS4x00 BA30X	AS1200 PB700	AS800 PB800
Number of System Boxes	Number of Ballast Kits Required		
1	None	1	2
2	None	1	1
3	None	N/A	None
4	N/A	N/A	None
5	N/A	N/A	None

Table 4 H9A15-MX Cabinet Requirements for Ballast Weight Kits

Model	Type of System Box		
H9A15-MX	AS4x00 BA30X	AS1200 PB700	AS800 PB800
Number of System Boxes	Number of Ballast Kits Required		
1	1	2	N/A *
2	None	1	2
3	None	None	None
4	None	N/A	None
5	N/A	N/A	None

* Minimum of two AS800 system boxes plus two ballast kits required for H9A15.
Single AS800 system box is limited to H9A10 only.

July 1998

The information in this document is subject to change without notice and should not be construed as a commitment by Digital Equipment Corporation. Digital Equipment Corporation assumes no responsibility for any errors that might appear in this document. The software, if any, described in this document is furnished under a license and may be used or copied only in accordance with the terms of such license. No responsibility is assumed for the use or reliability of software or equipment that is not supplied by Digital Equipment Corporation or its affiliated companies. Restricted Rights: Use, duplication, or disclosure by the U.S. Government is subject to restrictions as set forth in subparagraph (c) (1) (ii) of the Rights in Technical Data and Computer Software clause at DFARS 252.227-7013.

Copyright © 1998 Digital Equipment Corporation. All Rights Reserved. The following are trademarks of Digital Equipment Corporation: DIGITAL, OpenVMS and the DIGITAL logo. All other trademarks or registered trademarks are the property of their respective holders.