

- 24X IDE CD-ROM drive or faster
- Standard VMEbus 6U single-slot form factor
- Utilizes VMEbus P2 to connect to single-board computer (SBC)

INTRODUCTION — The VMIVME-7455 is a 6U single-slot VMEbus passive board that holds a Multisession Photo CD-ROM drive that is compatible with CD-I, Video CD, Enhanced CD, and CD PLUS.

The VMIVME-7455 is designed to interface to VMIC's line of VMEbus P2-compatible SBC boards. These SBC boards connect to the VMIVME-7455 via the P2 IDE connection, thus eliminating any cable clutter on the front panel and configured as a slave. Refer to the compatible SBC list in this specification.

The VMIVME-7455 should be in an adjacent slot to the VMIVME-7452 and the SBC when integrated with the following SBCs: VMIVME-7589, -7589A, -7591, -7592, -7695, -7698, -7740, and -7750. The VMIVME-7455 does not have to be in an adjacent slot to the VMIVME-7452 or the SBC when it is integrated with the VMIVME-7696 or the VMIVME-7697.

It is recommended that this product only be used with a standard VMEbus backplane on which the J2 pins extend through a shrouded header. A VMIC cable, part number 360-010004-ABC, may be purchased to connect P2 slots together.

This product is configured as a slave device. VMIC cables, part number 360-010004-AB9 or 360-010004-ABG, will be required if the application for the VMIVME-7455 requires it to be a master device. These cables "open" the connection to pin C14 on P2.

SPECIFICATIONS

Physical Dimensions: Standard VME double height Eurocard (one slot)
160 x 233.25 x 20.32 mm

User Connectors: VME standard 96-pin DIN P2 connector

Interface: ATAPI/IDE

Ambient Temperature:
Operating: 5 to 50 °C
Nonoperating: 0 to 55 °C

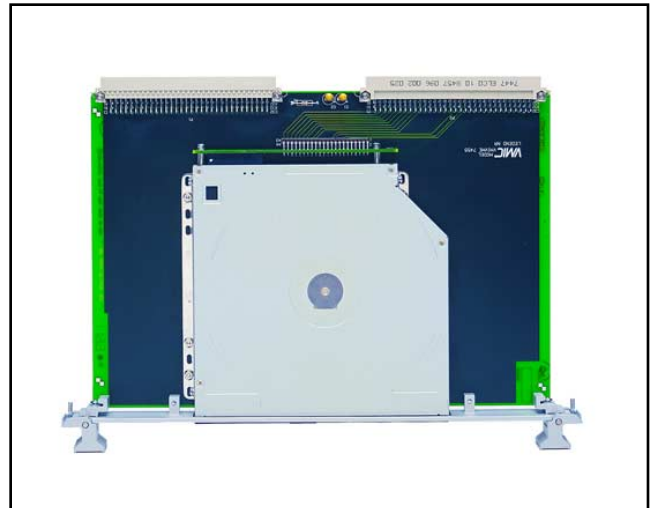
Humidity: 20 to 80 percent, noncondensing, maximum wet bulb 29 °C

CD-ROM Transfer Rate (Sustained): 1,548 to 3,600 Kbyte/s (FULL - CAV)

CD-ROM Transfer Rate (Burst): 16.7 Mbyte/s

Random Access Time: 130 ms, typical

Vibration:
Operating: 0.15 G or less (5 to 300 Hz, horizontal operation)
Nonoperating: 2 G or less (5 to 300 Hz)



Shock:

Operating: 5 G or less (half sine wave 11 ms)
Nonoperating: 60 G or less (half sine wave 11 ms)

Power Requirements: +5 V, ±5 percent, 20 mA typical (standby mode), 600 mA typical (sequential read)

Compatible SBCs:

VMIVME-7589	VMIVME-7697A
VMIVME-7589A	VMIVME-7698
VMIVME-7591	VMIVME-7740
VMIVME-7592	VMIVME-7750
VMIVME-7695	VMIVME-7751
VMIVME-7696	VMIVME-7765
VMIVME-7697	

TRADEMARKS

The VMIC logo is a registered trademark of VMIC. Other registered trademarks are the property of their respective owners.

Ordering Options							
May 2, 2002 800-007455-000 F	A	B	C	-	D	E	F
VMIVME-7455	-	0	-	-	-	-	-
A = Indicates CPU Board to Be Mated with CD-ROM Module 0 = Reserved 1 = Reserved 2 = Reserved 3 = For Use with VMIVME-7589, -7589A, -7591, 7592, -7695, -7698, -7740, and -7750 4 = For Use with VMIVME-7696, -7697, -7697A, -7751, and -7765 BC = Indicates Disk Module Configuration 00 = CD-ROM Drive Only 01 = Reserved							
For Ordering Information, Call: 1-800-322-3616 or 1-256-880-0444 • FAX (256) 882-0859 E-mail: info@vmic.com Web Address: www.vmic.com Copyright © September 1998 by VMIC Specifications subject to change without notice.							