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MODPACK ANALOG & DIGITAL I/O

VMOD-2(D)

ModPack Carrier Board for VMEbus

Dual-ModPack Expansion

- Interface flexibility through a wide range of analog, digital, communication and counter ModPacks
- 8/16-bit data-bus
- Separate IRQ lines for each ModPack
- Extended operating temperature range capability
- On-board reset facility
- Full VMEbus slave interface
- CE conformance
- ISO9001 certified

Providing up to 2 ModPack interface in a 3U form factor, PEP's VMOD-2(D) caters for the needs of most industrial applications.

CERTIFIED DIN ISO 9001 QUALITY SYSTEM

Modular Computers®

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Product Overview

VMOD-2(D)

The VMOD-2(D) was created to provide systems designers with a selection of dedicated I/O interfaces from PEP's large palette of industrial ModPack modules.

Industrial ModPacks provide a cost-effective solution for a wide variety of applications, tailoring the VMOD-2(D) to precisely fit a particular input/output requirement.

Each ModPack interface accesses an 8 or 16-bit data-bus, supports 11 address and extended control (IRQ) lines and provides separate interrupt lines. An additional reset facility initializes the the VMOD-2(D) and its ModPacks.

Any two industrial I/O ModPacks from an ever expanding range may be fitted to cater for the needs of digital, analog, communication or counter functions. PEP's open piggyback specification is documented also for custom solutions and is currently undergoing the process of standardization through the VITA organization.

Characteristics

Versatility:	Accepts any 2 industrial I/O ModPacks
Host Interface:	A24/A16:D16/D8, slave VMEbus
Address Range:	128 bytes A1-A6 or 4kByte A1-A11 available to each ModPack to enable additional decoding
Address Modifier:	Standard supervisor/user data or short supervisor/user data access via jumpers
Address Pipelining:	Support for "address pipelining" is provided
Data Bus:	Full 8/16-bit data bus, plus all extended control lines to each ModPack
Interrupt Request:	IRQ 1-7, jumper selectable. Interrupt vector generated by the ModPack or via jumper setting
DTACK Generation:	Generated by each of the fitted ModPacks
Local Reset:	Two-wire input available on front-panel connector which may be disabled by jumper setting
Power Req.:	+5V DC (±5%), 140mA typically. without ModPacks
Dimensions:	3U 100mm x 160mm x 20.4mm (4HP)
Front Panel:	50-pin male flat ribbon cable header with retaining latches (VMOD-2); 50-pin D-Sub connector (-2D)
Temp. Ranges:	0ºC to +70ºC -40ºC to +85ºC (extended E2) -55ºC to +85ºC (storage)
Humidity:	5% to 95% non-condensing

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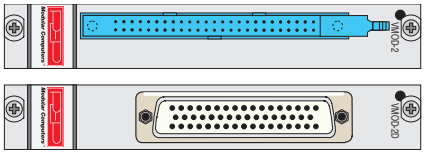
Publication Number AB 15179 DS-0298



Product	Description	Order No.
VMOD-2	Base module with 2 ModPack interfaces and 50-pin ribbon-cable connector on the front-panel	**3034**
VMOD-2	Base module with 2 ModPack interfaces and 50-pin ribbon-cable connector behind the front-panel	**3058**
VMOD-2D	Base module with 2 ModPack interfaces and 50-pin D-Sub connector on the front-panel	**3075**

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