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Find the *Kontron / PEP VMOD-2D* at our website: ***Click HERE***

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.

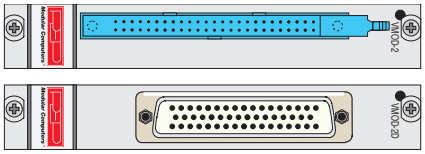
Industrial ModPacks provide a cost-effective solution for a wide variety of applications, tailoring the VMOD-2(D) to precisely fit a particular input/output requirement.

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



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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▶ Visit our home page at: http://www.pep.com

Benelux
PEP Modular Computers Benelux
Koning-Albert-Laan 46
B-1780 WEMMEL
Tel.: ++32 (0)2 461 04 08
Fax: ++32 (0)2 461 00 31

Postbus 9712
NL-4801 LV BREDA
Tel.: ++31 (0)76 5217 957
Fax: ++31 (0)76 5217 959

France
EURO PEP Paris
Les Bureaux du Manoir
18 Chemin du Fond du Chêne
F-78 620 L'ETANG LA VILLE
Tel.: ++33 (0) 1 39 16 10 30
Fax: ++33 (0) 1 39 16 10 25

Great Britain
PEP Modular Computers (UK) Ltd.
Riverside Business Centre
SHOREHAM-BY-SEA
BN43 6RE
Tel.: ++44 (0) 1273 44 11 88
Fax: ++44 (0) 1273 44 11 99

Korea
PEP-Dasan Systems
2F Seahun Bldg.
162-1 Samsung-dong
Kangnam-ku
Seoul 135090
SOUTH KOREA
Tel.: ++82 (0) 25 58 08 38
Fax: ++82 (0) 25 55 08 39

Poland
PEP Modular Computers Sp. zoo
Al. Jerozolimskie 144
Pok 714 Vp
02-305 WARSZAWA
Tel.: ++48 (0) 2 28 23 55 73
Fax: ++48 (0) 2 28 23 55 73

Sweden
PEP Modular Computers AB
Hornackersvägen 8
Box 1430
S-18314 TÄBY
Tel.: ++46 (0) 8 756 72 60
Fax: ++46 (0) 8 732 63 10

USA
PEP Modular Computers Inc.
750 Holiday Drive, Building 9
Pittsburgh, PA 15220
Tel.: ++1 412 921 3322
Fax: ++1 412 921 3356
Toll free: 800/228-1737

Modular Computers®

PEP Modular Computers GmbH
Apfeltrangerstr. 16
D-87600 KAUFBEUREN
Tel.: ++49 (0) 8341 803 0
Fax: ++49 (0) 8341 803 499

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