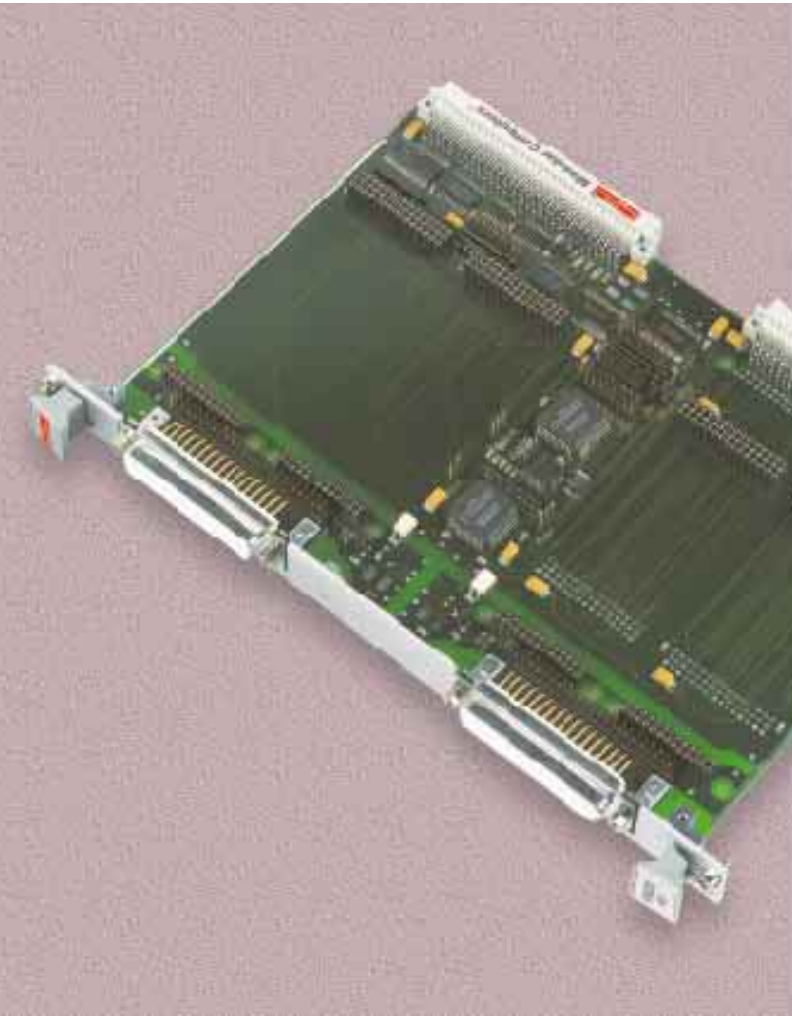




MODPACK  
ANALOG &  
DIGITAL  
I/O

# VMOD-4D

## ModPack Carrier Board for VMEbus



### Quad-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 Mod-Pack
- ▶ Extended operating temperature range capability
  
- ▶ Full VMEbus slave interface
- ▶ CE conformance
- ▶ ISO9001 certified

Providing up to 4 ModPack interface in a 6U form factor, PEP's VMOD-4D caters for the needs of most industrial applications.



# Product Overview

## VMOD-4D



The VMOD-4D was created to provide systems designers with a selection of dedicated I/O interfaces from PEP's large palette of industrial ModPack modules. Complete with one or two 50-pin D-Sub front-panel connectors, the VMOD-4D offers an inherent resistance to EMI radiation.

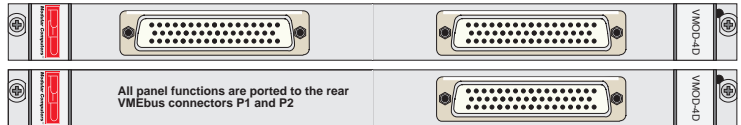
Industrial ModPacks provide a cost-effective solution for a wide variety of applications, tailoring the VMOD-4D to precisely fit a particular input/output requirement.

Each ModPack interface accesses an 8 or 16-bit data-bus, supports 11 address and extended control (IRQ) lines and provides separate interrupt lines.

Any four 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 4 industrial I/O ModPacks
Host Interface:	A24/A16:D16/D8, slave VMEbus
Address Range:	128 bytes A1-A6 or 2kByte 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 the 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
Power Req.:	+5V DC ( $\pm 5\%$ ), 180mA typically. without ModPacks
Dimensions:	6U 233.35mm x 160mm x 20.4mm (4HP)
Front Panel:	One or two 50-pin D-Sub connectors
Temp. Ranges:	0°C to +70°C -40°C to +85°C (extended E2) -55°C to +85°C (storage)
Humidity:	5% to 95% non-condensing



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Product	Description	Order No.
VMOD-4D	Base module with 4 ModPack interfaces and two 50-pin D-Sub connectors on the front-panel	14319
VMOD-4D	Base module with 4 ModPack interfaces and one 50-pin D-Sub connectors on the front-panel	14320

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