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Find the *Abaco Systems / SBS / Greenspring VIPC664-ET* at our website: *Click HERE*

VIPC664-ET

4-Slot 6U VMEbus IndustryPack Carrier with Extended Temperature Range, Flash Memory & Rear-Panel I/O

Features

- Four IndustryPacks slots on a 6U VME board
- Supports I/O, ID, memory, and interrupt cycles
- 200 lines of rear panel I/O through VME64 backplane P0 and P2 connectors
- Includes 2 MB Flash memory
- 8 MB of memory space per slot
- User-programmable front panel activity LED
- On-board ACK and power monitor LEDs
- Filtered and fused power rails
- Single-level IRQ mapping mode available
- Software backward compatible with the VIPC618
- Front panel EMI gasket and ejection hardware
- Extended operating temperature range: -40° to +85° C

Suitable for VME64 chassis, the VIPC664-ET VMEbus IndustryPack carrier provides four IndustryPack slots with all I/O routed to the five-row backplane P0 and P2 connectors. Backplane I/O, coupled with EMI gaskets on the front panel reduces EMI emissions and conforms to CE requirements.

The VIPC664 can accept up to two double-wide IndustryPacks. The carrier supports I/O, ID, memory, and interrupt functions. DMA and 32 MHz IndustryPack bus operation are not supported. The VME interface supports A16:D16:D8 (EO) short I/O access and A32:D16:D8 (EO) extended memory access. (Note: A24, D64 and D32 modes are not supported on this product).

From a software standpoint, the VIPC664-ET is very similar to the VIPC618 carrier. The VIPC664-ET adds 2 MB Flash memory, a single-level interrupt mode, user-programmable front-panel LEDs, simplified shunt selections, and an ID PROM for the carrier board itself. Each IndustryPack slot has a full 8 MB of memory space allocated to it.

On-board IndustryPack acknowledge (ACK) and a power check LED are provided for visual verification. Two power check circuits detect blown fuses and line faults on any IP slot. The VIPC664-ET provides resettable fuse protection, RF filtering and decoupling capacitance on all IndustryPack power lines.

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Specifications

Form Factor	6U VME (VME64 backplane required for I/O access)
VME Conformance	Conforms to IEEE P-1024/D1.2, VITA 1.1-199x Draft 2.0
IndustryPack Specification	ANSI/VITA-4 1995
Number of IndustryPack Slots	Four Up to two double-wide IndustryPacks may be fitted
I/O Space	A16 space, 128 bytes per IndustryPack slot plus 128 bytes for carrier
ID Space	A16 space, 128 bytes per IndustryPack slot plus 128 bytes for carrier
Memory Space	A32 space: 8 MB per IndustryPack slot fixed Total carrier footprint: 40 MB
Interrupts	User-selectable VME levels IRQ1* to IRQ7* supported
Front Panel I/O Access	None
Back Panel I/O Access	200 I/O pins available via VME64 five-row connectors P0 and P2
Indicators	Four user-programmable red/green LED pairs on front panel One green LED on front panel to show good power One green LED per slot on-board to show ACK
IndustryPack Site Features	8 MHz only. I/O cycles, ID cycles, memory cycles, interrupt acknowledge cycles. 32-bit interface and IndustryPack DMA are not supported.
Dimensions	160 mm x 233.35 mm
Weight	0.31 kg (0.68 lb)
Power Requirements	+5 VDC, 600 mA typical +12 VDC, 40 mA typical -12 VDC, 60 mA typical Additional power is consumed by IndustryPack modules
Fuses	+5 VDC @ 2.5A one per IndustryPack slot (resettable) +12 VDC @ 2.5A one total (resettable) -12 VDC @ 2.5A one total (resettable)
Environmental	Operating temperature: -40° to +85°C Humidity: 5% to 95% non-condensing Storage: –60° to +95°C

Order Information

VIPC664-ET	Four slot, 6U VME IndustryPack carrier with rear-panel I/O
XM-664-60	60 mm rear-panel transition module for VIPC664 with internal ribbon headers
XM-664-80	80 mm rear-panel transition module for VIPC664 with rear-panel ribbon headers and rear panel hardware for IEEE1101.11 chassis

Corporate Headquarters
2400 Louisiana Blvd. NE, #5-600
Albuquerque, NM 87110-4316
Tel 505.875.0600 Fax 505.875.0400
Email info@sbs.com

European Headquarters
Memminger Str. 14
D-86159 Augsburg, Germany
Tel +49-821-5034-0 Fax +49-821-5034-119
Email sales@sbs-europe.com

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