



## **MVIPC-616 4-Slot VMEBus IndustryPack Carrier**

### **Specifications**

- **IndustryPack Slots** - 4
- **I/O Space** - A16 space, 128 bytes per IndustryPack slot
- **ID Space** - A16 space, 128 bytes per IndustryPack slot
- **Memory Space** - A24 space: none or 128 KB to 2 MB per IndustryPack slot. A32 space: 8 MB per IndustryPack slot fixed
- **Interrupts** - IndustryPack interrupts mapped 1:1 to VME IRQ levels by shunt or PLD selections.
- **Front Panel I/O Access** - One pair of 50-pin right-angled keyed, shrouded ribbon cable connectors with ejection hardware for each pair of IndustryPack slots
- **Back Panel I/O Access** - All 50 I/O pins from slot D and a configurable selection of 14 pins from slot C routed to VME bus P2 rows A and C
- **Indicators** - 1 green LED per slot to indicate accesses. 1 green LED to show power to slots A and B. 1 green LED to show power to slots C and D
- **IndustryPack Site Features** - 8 MHz only. IO cycles, ID cycles, memory cycles, interrupt acknowledge cycles. 32-bit interface and IndustryPack DMA are not supported.

### **VME Specifications**

- Conforms with VME Specifications Revision C.1 IEEE Std. 1024/D2
- **Board size:** 6U

### **IndustryPack Specification**

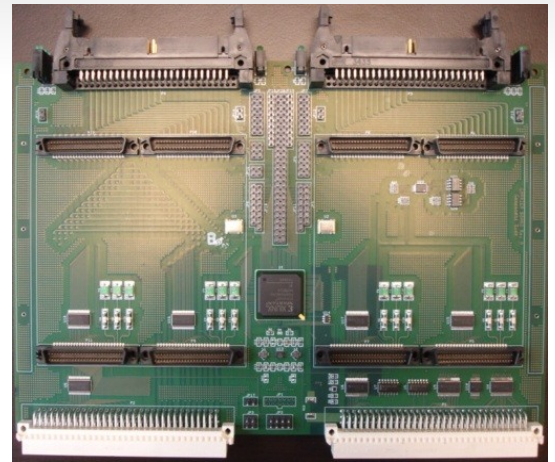
- ANSI/VITA-4 1995

### **Power Requirements**

- +5V @ 500mA max
- +12V @ 10mA
- -12V @ 10mA

### **Environmental**

- **Operating Temperature:** 0 to 70 °C
- **Storage Temperature:** -40 to 85 °C
- **Shock:** 25g, 11ms on all axis
- **Humidity:** 80% Rel. Humidity, non-condensing



**The MVIPC-616 4-Slot VME-IndustryPack Carrier card is a drop-in-replacement for the GE-IP SBS VIPC616 and VIPC618**

### **Features**

The MVIPC-616 provides mechanical mounting and the electrical interface from the VME backplane to 4, single-wide IndustryPacks or up to 2, double-wide IndustryPacks. The carrier supports I/O, ID, memory, and interrupt functions. It conforms to the IndustryPack Logic Interface Specification.

- **Conformal coating is standard on all units.**
- **Conduction-cooled version available**

As with all Merlin Embedded DIR products, the MVIPC-616 has the same, or better, functional performance than the product it is replacing. All Merlin Embedded products are backed by a 2-year warranty and 15 years of life-cycle support. The user will not have to take on any obsolescence issues when utilizing Merlin Embedded products.

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