TEWS
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The Embedded I/O Company

TVME201   VMEbus Carrier for 4 IndustryPacks®

Application Information

The TVME201 is 6U VMEbus Carrier for up to 4 single-size or two double-size IndustryPack (IP) modules allowing to build up modular, flexible and cost effective I/O solutions for all kinds of applications like process control, medical systems, telecommunication and traffic control.

For improved EMI protection, four HD50 SCSI-2 type connectors are mounted in the EMI front panel of the TVME201 and provide access to all IP I/O lines. Status indicators for IP access, +5V and +/-12V are provided in the front panel.

A set of 16-position rotary switches allows easy configuration of VME Short I/O and Memory addresses. Interrupt routing from the IP slots to the VME IRQ's can be done in two ways: programmable by software or selection of predefined sets by a rotary switch.

The IP power lines are fuse protected by self healing fuses and RF filtered. The operating temperature ranges between -40°C and +85°C.

For First-Time-Buyers the engineering documentation TVME201-ED is recommended. The engineering documentation includes TVME201-DOC, schematics and data sheets of TVME201.

Order Information

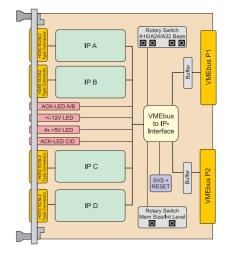|	
TVME201-10	VMEbus Carrier for 4 IP modules (6U); Front panel I/O, Standard Handles
TVME201-DOC	User Manual
TVME201-ED	Engineering documentation (TVME201-DOC, Schematics, Assembly Drawing, Data Sheets)
TA301-10	Cable Kit for modules with HD50 connector

Technical Information

- ❑ Form Factor: VMEbus board, 6U
- ❑ VMEbus slave interface:
- ❑ Short I/O: A16, D08/16, size: 1 Kbyte
- ❑ Standard Memory: A24, D08/16
- ❑ Size: programmable, 32 Kbytes to 2 Mbytes per IP
- ❑ Extended Memory: A32, D08/16
- ❑ Size: fixed, 8 Mbytes per IP
- ❑ Interrupts: IRQ1-7
- ❑ ANSI/VITA 4-1995 compliant interface to IndustryPack modules
- ❑ IndustryPack slots: Four single-size or two double-size with front panel I/O
- ❑ 8 MHz interface, no DMA
- ❑ Routing of IP Interrupt Levels to VME IRQ1-7: programmable by software or selection of predefined sets by a rotary switch
- ❑ I/O access by HD50 SCSI-2 type connector per IP mounted in EMI front panel
- ❑ EMI front panel
- ❑ Status LED's
- ❑ ACK LED for each IP module
- ❑ +5V Power LED for each IP slot
- ❑ +12V and –12V Power LED
- ❑ Self Healing fuses and RF-filtering on all IP power lines
- ❑ Operating Temperature –40°C to +85°C