TVME200   VMEbus Carrier for 4 IndustryPacks®

Application Information

The TVME200 is 6U VMEbus Carrier for up to 4 single-size or 2 double-size IndustryPack (IP) modules used to build modular, flexible and cost effective I/O solutions for applications in process control, medical systems, telecommunication and traffic control.
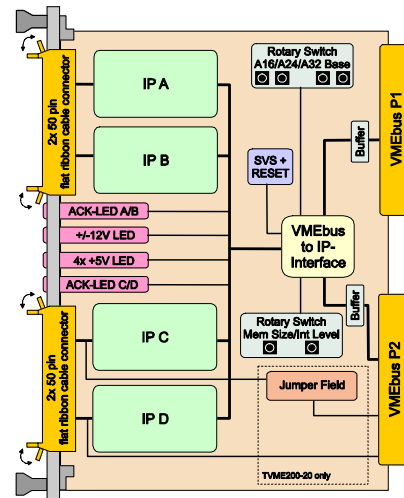

A set of 16-position rotary switches allows easy configuration of VME Short I/O and Memory addresses. Interrupt routing from the IP slots to the VME IRQ's can be done in two ways: programmable by software or selection of predefined sets by a rotary switch.

Four 50 pin 0.1 inch flat ribbon cable connectors mounted in the front panel of the TVME200 provide access to all IP I/O lines. Additional, on the TVME200-20 all I/O lines of 'IP D' are routed to VME P2 and 14 user selectable I/O lines of 'IP C' can be routed to VME P2 via a jumper field.

Status indicators for IP access, +5V and +/-12V are provided.

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 TVME200-ED is recommended. The Engineering Documentation includes TVME200-DOC, schematics and data sheets of TVME200.

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: 50 pin 0.1 inch flat ribbon cable connector per IP mounted in front panel
    - ❍ Rear I/O of 'IP C' and 'IP D' (TVME200-20 only)
- ❍ 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

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The Embedded I/O Company

TVME200-10 VMEbus Carrier for 4 IP modules (6U); Front panel I/O, Standard Handles
TVME200-10R RoHS compliant version of TVME200-10
TVME200-20 VMEbus Carrier for 4 IP modules (6U); Front panel I/O and Rear I/O of 'IP C' and 'IP D', Standard Handles
TVME200-20R RoHS compliant version of TVME200-20

TVME200-DOC User Manual
TVME200-ED Engineering Documentation (TVME200-DOC, Schematics, Assembly Drawing, Data Sheets)
TA305-10R Cable Kit for Modules with 50 pin ribbon cable connector (RoHS compliant)

CARRIER-SW-42 VxWorks IP Carrier Software Support
CARRIER-SW-65 Windows XP/XPE/2000 IP Carrier Software Support
CARRIER-SW-72 LynxOS IP Carrier Software Support
CARRIER-SW-82 Linux IP Carrier Software Support
CARRIER-SW-95 QNX 6 IP Carrier Software Support

For other operating systems please contact TEWS.