The Embedded I/O Company

TVME202 VMEbus Carrier for 4 IndustryPacks®

Application Information

The TVME202 is 6U VMEbus Carrier for up to 4 single-size or 2 double-size IndustryPack (IP) modules provides 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 are programmable by software or can be selected from predefined sets by a rotary switch.

Four 50 pin 0.1 inch flat ribbon cable connectors mounted on the TVME202 provide front I/O access to all IP I/O lines.

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 TVME202-ED is recommended. The Engineering Documentation includes TVME202-DOC, schematics and data sheets of TVME202.

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
- 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
Order Information

RoHS Compliant
TVME202-10R  VMEbus Carrier for 4 IP modules (6U); Front panel I/O, Standard Handles

None RoHS Compliant
TVME202-10  None RoHS compliant version of TVME202-10R

Documentation
TVME202-DOC  User Manual
TVME202-ED  Engineering Documentation (TVME202-DOC, Schematics, Assembly Drawing, Data Sheets)

Software
CARRIER-SW-25  Integrity Software Support
CARRIER-SW-42  VxWorks Software Support (Legacy and VxBus-enabled 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.

Related Products
TA305  Cable Kit for Modules with 50 pin ribbon cable connector