

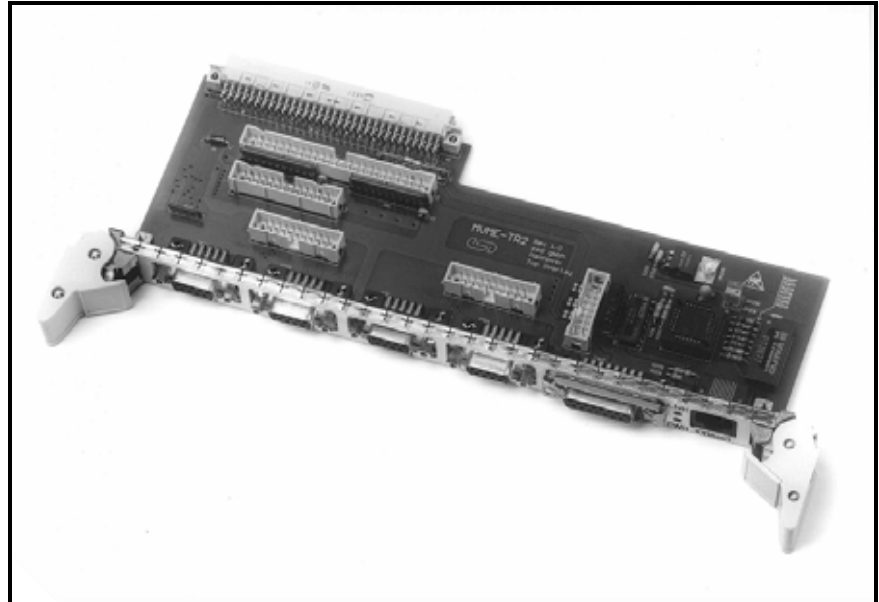
MVME-TR2

P2 Adapters for MOTOROLA CPUs

- P2 adapters for MVME177, -172, -167, -162, -147, -4600, -3600, -2700, -2600**
- CENTRONICS interface via 26-pole post connector
 - SCSI via 50-pole post connector
 - AUI port via 15-pole DSUB connector
 - 10BaseT or 10/100BaseT (Twisted Pair) via RJ45-connector
 - Serial interface via 9-pole DSUB connectors

Applications

- Backplane wiring in 19"-systems for direct plug-in according to IEEE1101



CPU Port Wiring

The MVME-adaptor is used to wire the ports of the MOTOROLA CPUs MVME147, -162, -167, -172, -177, -2700, -2600, -3600 and -4600.

The adaptor board is connected directly to the P2 connector of the CPU (IEEE1101 only), if the system has an according design. The connectors for 10BaseT, AUI and the four serial interfaces are therefore directly accessible at the rear panel or, depending on the design, at the front panel.

In the version MVME-TR2-T the adapter can be used as a pure AUI / 10/100Base-T converter. In this case, the P2 adapter MVME-P2 and the ribbon cable MVME-ADA-FBK 16 are necessary for the connection to P2.

IEEE802.3 to 10BaseT

The adaptor board MVME-TR2 enables a conversion of the AUI interface to an IEEE802.3 (Cheapernet) interface in twisted-pair design. The signal lines are insulated by transformers. Connection is done via a female RJ45.

AUI

The AUI signals, which apply directly at the CPU P2 connector, are accessible via a 16-pole post connector and via a 15-pole female DSUB connector in the front panel.

Serial Interfaces

The serial interfaces are fed to four 9-pole DSUB connectors in the front panel of the adaptor. For boards with 761 I/O-assignment at P2 only interfaces 1+2 can be used.

SCSI

The SCSI interface is connected via a 50-pole ribbon cable connector. Resistor networks are equipped in sockets for bus termination. They can easily be removed without the use of tools. The voltage supply for external termination networks is protected by a miniature fuse.

Centronics

Via a 26-pole post connector the CENTRONICS interface can be connected. The interface can be connected 1:1 to a female DSUB25 via an adaptor cable.

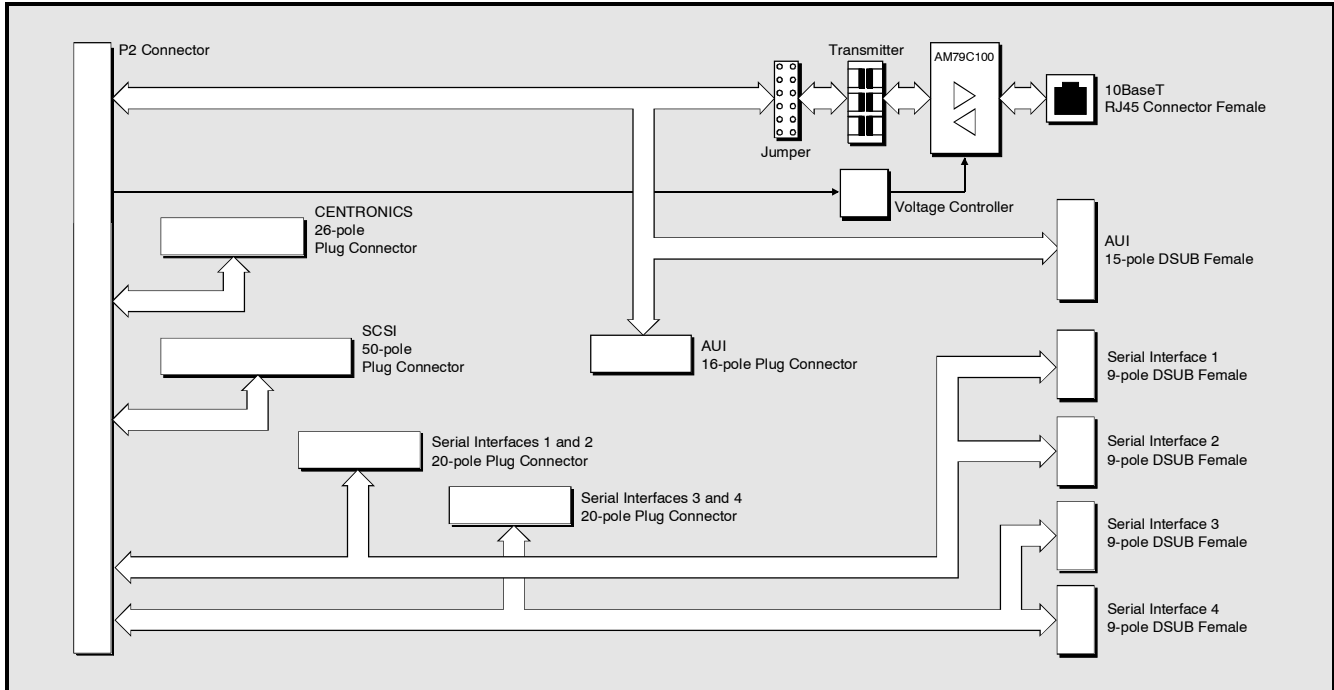
Front Panels

For installation of the adaptor board at the rear of 19" racks, a manufactured front panel (acc. to IEEE1101) is available.

Connecting Lines

Apart from adaptor boards, esd offers various connecting cables for connection of the CENTRONICS port, the SCSI interface and the AUI interface. The lines are realized by ribbon cables. The transition connectors are equipped with interlockings (AUI, SCSI) or screws (CENTRONICS, serial interfaces). The connecting lines have already been described under adaptors MVME-P2, -TR.

MVME-TR2 P2 Adapter for MOTOROLA CPUs



Technical Specifications:

Connectors and interfaces:	
SCSI-Bus interface:	50-pole post connector, terminating resistor networks in sockets, TERMPWR line protected by mini fuse (1 A/fast)
CENTRONICS:	26-pole post connector
IEEE802.3 interface:	signals from CPU P2 directly to 16-pole post connector AUI and 15-pole female DSUB, also insulated interface with 10BaseT (MVME-TR2-T: 10/100BaseT) at RJ45-female (twisted pair)
Serial interfaces:	fed to four 9-pole DSUB female
General:	
Suitable for MOTOROLA CPUs:	MVME147, MVME162, MVME167, MVME172, MVME177, MVME2600, MVME2700, MVME3600, MVME4600
Board sizes:	233.33 mm x 80 mm
Ambient temperature:	0...50 °C
Humidity:	max. 90%, non-condensing

Order information:		
Designation:		Order No.
MVME-TR2	SCSI, CENTRONICS, AUI, twisted pair, serial interfaces	V.1131.01
MVME-TR2-T	converter AUI / 10/100BaseT	V.1131.02
MVME-P2	AUI, SCSI, CENTRONICS, VCC, serial interface to 20-pole post connector	V.1137.02
MVME-ADA-FBK16	FBK for AUI connection between MVME-P2 and MVME-TR2-T	V.1130.14
MVME-TR2-FP3	3HE front panel with RJ45 cut-out for MVME-TR2-T	V.1131.10
MVME-TR2-FP6	6HE front panel with RJ45- and AUI cut-out for MVME-TR2-T	V.1131.11
MVME-TR2-ME	English users' manual	V.1131.21