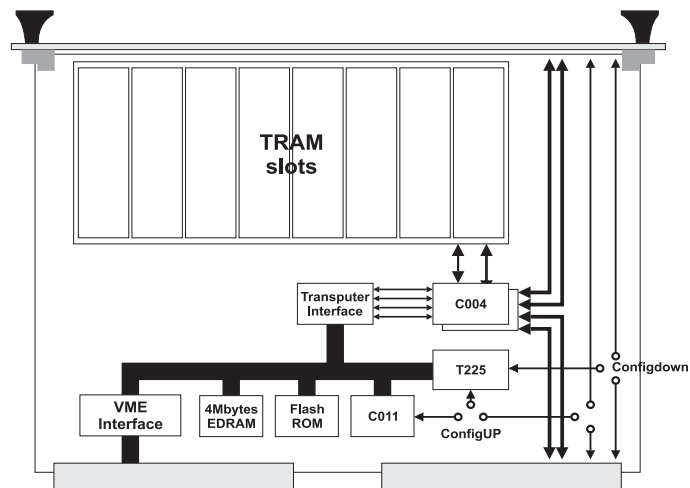


TMB14 / TMB15 TRAM Carriers with VMEbus Interface



The TMB14 and TMB15 are both 6U VME bus interface boards with 8 TRAM slots. Device drivers to interface the boards to Solaris 1.x and Solaris 2.x running on a Force 3CE SPARC based board are available.

The Transtech TMB14 is compatible with the SGS Thomson IMSB014. It has a VME bus slave interface implemented by a link adaptor mapped to the VME bus. In addition it has 2 IMSC004 link crossbar switches controlled by a 16-bit IMST225 transputer which provides re-configuration of the link topology under software control. The architecture allows any topology of transputer network to be constructed, whilst 24 transputer links are taken to the edge connectors to interface to other boards.

The TMB15 is a combined 8 slot TRAM motherboard and a high performance transputer VME slave. It has an IMST805 interface transputer with 4MBytes of fast EDRAM memory shared with the VME bus. The TRAM sites have all the links connected to a pair of socketed C004 link crossbars for electronic reconfiguration of the link topology.

The highly optimized 32-bit slave VME interface supports A24/A32 VME addressing and D32/D16/D08(EO) data transfer and flexible byte/word swapping memory regions for endian conversion. The interface transputer can boot from flash ROM or shared memory.

An IMSC011 link adaptor is interfaced to both the VME bus and the interface transputer for configuring the C004 switches (via a T225 transputer).

❖ Carrier boards for TRAM modules

❖ 8 TRAM slots

❖ IMSB014 compatible option - TMB14

❖ High performance DMA option -TMB15

❖ Solaris 1.x and 2.x device drivers

ORDERING INFORMATION

TMB14	IMSB014 Equivalent
TMB15	High Performance VME slave
TSS-TDD-Sol1	Device Driver (Sol1 .x)
TSS-TDD-Sol2	Device Driver (Sol2 .x)

CABLE ASSEMBLIES

The boards are supplied with a cable set which includes 1 x 50cm reset cable, 2 x 50cm link cables, 2 x link breakout boards and the appropriate number of pipe jumpers