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TECHNOLOGY GROUP

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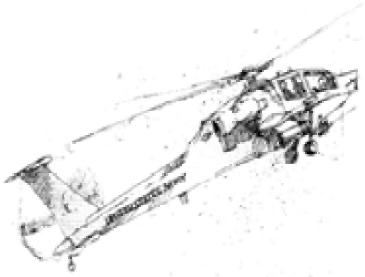
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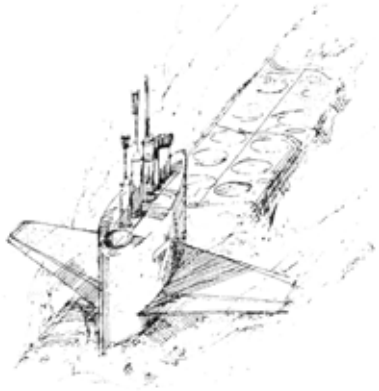
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Find the *L-3 / Targa VME 25* at our website: ***Click HERE***







communications

Targa Systems

Targa High Performance SCSI Flash Disks
VME 25 - SCSI Flash Disk

OVERVIEW

Targa's Solid-State SCSI Module has been specifically designed to replace hard disk drives in rugged and environmentally demanding applications. The single slot, 6U VME card is currently available in the VME convection cooled and conduction cooled form factors.

- Ruggedized, high reliability, solid state design, no moving parts
- Up to 24 Gbytes of FLASH memory as 3 independent 8 GB SCSI drives
- Single slot – 6U VME
- Dual slot version – capacity >90 GB – consult Targa
- SCSI-1, SCSI-2 & SCSI-3 (ultra) compatible, 8 bit (SCSI narrow)
- Fast Access time < 0.2 msec
- Low power consumption
- Noiseless operation
- MTBF: 500,000 hrs (MIL-STD-217, GB)
- Write Protect and High Speed Erase features

PRODUCT MODEL NUMBERS

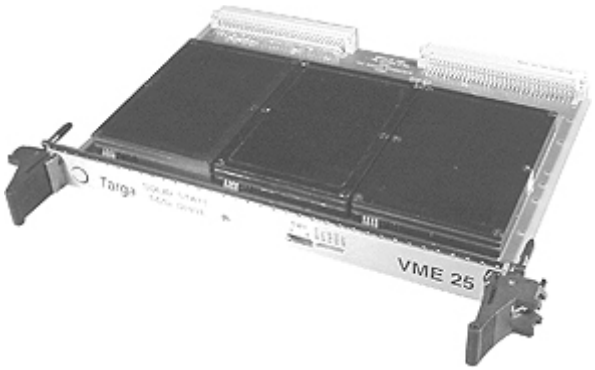
Targa's VME25 SCSI module is available in a broad range of memory capacities and environmental classifications. The product model designations are:

VME25 / A - cc - ee

A	F = Fast SCSI U = Ultra SCSI
cc	capacity = cc x 100 MB
ee	environmental class

	Capacity (MBytes)				
Sample Model Numbers (**these are examples only**)	1st Drive	2nd Drive	3rd Drive	Environmental Classes	
VME25/F-6-ee	600	-	-	Basic	-00
VME25/U-25-ee	2500	-	-	Enhanced	-10
VME25/F-25-12-ee	2500	1200	-	Extended	-20
VME25/U-12-5-ee	1200	500	-	Conduction	-50
VME25/F-102-102-102-ee	10200	10200	10200		

Single drive capacities available; any combination up to 3 drives on a board:
cc = 1 (128 MB), 2 (256 MB), 5 (512 MB), 6 (640MB), 12 (1.28 GB), 25 (2.56 GB), 51 (5.1 GB), 82 (8.2 GB)



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communications

Targa Systems

Targa's Solid State Storage Solutions are available in a wide range of form factors and interfaces.

- VME SCSI
  6U, single slot
- PC Card DTU's
  Serial; SCSI; 1553, USB
- SCSI Flash Disks
  3.5" and 2.5"
- IDE Flash Disks
  3.5" and 2.5"
- Removable Disk Systems
  3.5" and 2.5"

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VME25 SPECIFICATIONS

	VME25/F	VME25/U
Access Time	< 0.2 ms	< 0.1 ms
Sustained Read Rate	> 9 MBytes/sec	> 18 MBytes/sec
Sustained Write Rate	> 9 MBytes/sec	> 18 MBytes/sec
Read Bit Error Rate	> 10^{-20}	> 10^{-20}
Entire Media Erase	2 sec/GB typ	2 sec/GB typ

SCSI Compatibility
VME25/F: 8 bit SCSI narrow
VME25/U: ANSI SCSI-2 Standard X3.131-1994 and ANSI SCSI-3 Standard X3T10/107D

Power Requirements
4.85 - 5.25 Vdc
0.7 - 1.5 Amp (Configuration Dependant)

Reliability
Data Reliability: Built-in EDC / interleaved Reed Soloman ECC
Endurance: 1,000,000 cycles per FLASH manufacturer's specification
Undeleted Data Error: $<10^{-30}$
MTBF: 500,000 hrs (MIL-STD-217 GB, per 512MB; preliminary)

BIT Features: Yes, Power-up Self Test

Data Integrity: 10 Years

Form Factor: 6U, single slot per IEEE 1014-1987 Convection
6U single slot per IEEE 1101.2 Conduction

Front Panel – Indicators: Power (green) – Busy (green)
Write Protected (yellow)

Switches: Write Protect Enable
SCSI Terminators On/Off

Weight: 500 - 800 grams (Configuration Dependant)

Environmentals	**Basic (-00)**	**Enhanced (-10)**	**Extended (-20)**	**Conduction Cooled (-50)**
Operating Temperature	0°C to +60°C	-20°C to +75°C	-40°C to +85°C	-40°C to +71°C
Storage Temperature	-50°C to +85°C	-50°C to +85°C	-50°C to +85°C	-50°C to +85°C
Altitude	50,000 ft	50,000 ft	50,000 ft	50,000 ft
Ascent, Descent	10 m/s, 13 m/s	10 m/s, 13 m/s	10 m/s, 13 m/s	10 m/s, 13 m/s
Humidity	10 – 85%	---------- 10 – 100% with condensation ----------		
Shock	n/a	--------- 8g, 11ms, ½ sine --------		20g, 11ms, ½ sine
Vibration	n/a	---------- 0.04 g^2/Hz, 5 to 2000 Hz ----------		
Stiffening Ribs	No	Yes	Yes	Yes
Conformal Coat	No	Yes	Yes	Yes

Specifications are subject to change without notice.

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Artisan Technology Group is an independent supplier of quality pre-owned equipment

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