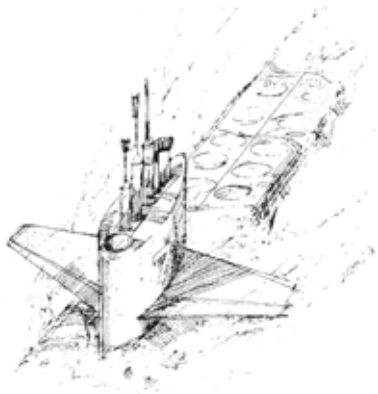

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Targa Systems

Targa Systems
Ethernet Network Attached Storage (NAS)
PC Card Data Transfer Unit

Overview

Targa's PC Card Data Transfer Units (DTU) provide a compact self-contained system to store and retrieve data from industry standard PCMCIA/ATA cards and have been qualified to meet the most demanding MIL-STD-810 and RTCA DO-160 environments.

- Storage Media: PC Cards (ATA) all capacities (current min/max 64MB/32GB)
- Small, lightweight, rugged construction providing reliable data storage
- Locking access door with door open detect & PC Card shutdown
- File Systems: DOS FAT with power fail detect & auto-save
  Optional - Ext3 journaling file system
- Interface: 10/100 Base- T Ethernet
- Input Power +28 Vdc, with 50 msec holdup
- Mounting Hard mount - rugged door with ¼ turn latch
  Panel mount (Dzus rail) per MS25212C at K=5
  (Rugged door option also available)

Hard Mount with Rugged Door

Dzus Rail Panel Mount

Model Numbers

Model #	Power +28 V_{dc}	LED Indicator	Rugged Door	Unit Mounting
DR30-50-2	•	-	-	Panel Mount
DR32-50-2	•	•	-	
DR30R-50-2	•	-	•	
DR35-50-2	•	-	•	Hard Mount
DR39-50-0	110 – 220 V_{ac}	•	-	Desktop

Desktop Unit

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

- VME
  SCSI, ATA, I/O,USB
  6U, single slot
- CPCI
  SCSI , ATA, USB
  6U & 3U
- PC Card DTU's
  Serial, SCSI, USB, Ethernet
- USB Flash Disks
  3.5"
- Removable Disk Systems
  SCSI, SATA, USB, Ethernet

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Ethernet Network Attached Storage (NAS) PC Card Data Transfer Unit

Targa Systems Network Attached Storage (NAS) DTU is a dedicated file server providing access to DOS files, stored on a removable PC Card, for single client or multi-client users over an IEEE 802.3 Ethernet link. Can also support PXE Boot and NFSROOT operations

Supported Protocols	FTP, NFS, HTTP, TFTP, DHCP, BOOTP		
Data Transfer rates	FTP	NFS/TCP	NFS/UDP
Data Reads	5 MB/sec	4 MB/sec	6 MB/sec
Data Writes	3 MB/sec	2.6 MB/sec	2.8 MB/sec

Average data transfer rates measured with single client over multiple file transfers
Actual end user data transfer rates will vary depending on network traffic, client system processor loading and PC Card data transfer rates.

	Panel Mount	Hard Mount
Physical	DTU Style, Dzus rail mount (refer to MS25221C K=5) Unit case 1.75"h x 5"wx 6.5"d Front Panel 1.875"h x 5.75"w	Top mount via four 10-32 captive screws (see photo) Unit case 1.75"h x 5"wx 6.5"d Front Panel 1.875"h x 5.5"w
Weight	1.1 Kg	
Input Power	+28 Vdc RTCA-D0-160 Cat Z 7 W max	
MTBF	55,000 hrs Aif @45ºC 27,500 hrs Arw @45ºC	

Environmental

Temperature	Operating -40ºC to +75ºC Storage -55ºC to +95ºC	MIL-STD-810E, Method 501.3 MIL-STD-810E, Method 502.3
Altitude	50 000 ft	MIL-STD-810E, Method 500.3
Humidity	10-100% Condensing	RTCA/DO-160D, Sec. 6, Cat. B
Shock	Operating 20g, 11msec, ½sine Crash 40 g,11msec ½ sine	MIL-STD-810E, Method 516.4 MIL-STD-810E, Method 516.4
Vibration		
Panel Mount	PSD 0.04 g^2/Hz, 5 - 2000 Hz with injected rotor frequencies	MIL-STD-810E, Method 514.4
Hard Mount	PSD 0.1 g^2/Hz, 5 - 2000 Hz	MIL-STD-810E, Method 514.4
Explosive Atm	RTCA DO/160D, Sec. 9, Cat. E	
Waterproofness	RTCA DO/160D, Sec. 10, Cat. W	
Sand & Dust	RTCA DO/160D, Sec. 12, Cat. D	
Fungus	RTCA DO/160D, Sec.13, Cat. F	
Salt Spray	RTCA/DO-160D, Sec. 14, Cat. S	
EMI	MIL-STD-461E CE102, CS101, CS114, RE102, RS103 MIL-STD-461C CS06	

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