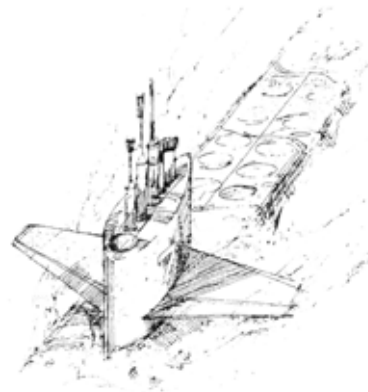


Targa Systems

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.

- PC Cards (ATA) all capacities up to 16GBytes (32GB available Q4 2006)
- Small, lightweight, rugged construction providing reliable data storage
- Locking access door with door open detect & PC Card shutdown
- Interfaces: 10/100 Base T Ethernet
- Input Power +28 V_{dc}, 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



communications

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Targa's 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; MIL-STD 1553, Ethernet, USB
- USB Flash Disks 3.5"
- Removable Disk Systems SCSI, ATA, USB Ethernet

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

Targa's network-attached storage (NAS) device is a "server" that is dedicated to file sharing. Targa's NAS provides removable PC Card data storage for a single client (user) system or a multi client Local Area Network over an IEEE 802.1 ethernet link.

Supported Protocols	FTP, NFS, HTTP, TFTP	
Data Transfer rates	FTP	NFS
Data Reads	4 MB/sec	4 MB/sec
Data Writes	2 MB/sec	400KB/sec

Nominal data transfer rates measured with single client
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 1.77"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 1.77"h x 5.5"w
Weight		1.1 Kg
Input Power	+28 Vdc	RTCA-DO-160 Cat Z 7 W max
MTBF		TBD

Environmental

Temperature	Operating -40°C to +75°C Storage -55°C to +95°C	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	MIL-STD-810E, Method 516.4
Vibration		
Panel Mount	PSD 0.04 g ² /Hz, 5 - 2000 Hz with injected rotar 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, CS06, CS101, CS114, RE102, RS103,