

# SERIES 3 ETHERNET NAS PC CARD DATA TRANSFER UNIT



## Ethernet (10/100) Network Attached Storage (NAS) Data Transfer Unit



**Hard Mount  
with Rugged Door**



**DZUS Rail Panel Mount**



**Desktop Unit**



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 in the most demanding MIL-STD-810 and RTCA DO-160 environments.

- Storage media: PC cards (ATA) all capacities (current min/max 64 MB/32 GB)
- Small, lightweight, rugged construction providing reliable data storage
- Access door with door open detect and PC card shutdown
- File systems: DOS FAT with power fail detect & auto-save
- Interface: 10/100 Base-T Ethernet
- Input power: +28V DC, with 50 msec holdup
- Mounting options:
  - Panel mount (DZUS rail) per MS25212C; K=5
  - Hard mount with rugged access door

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## MODEL NUMBERS

MODEL NO.	POWER +28V 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 - 220V AC	✓	-	Desktop

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" W x 6.5" D Front panel 1.875" H x 5.75" W	Mounted via four 10-32 captive screws (see photo) Unit case 1.75" H x 5" W x 6.5" D (excludes mounting tabs) Front panel 1.875" H x 5.5" W
Weight	1.1 kg	
Input Power	+28V DC	RTCA-D0-160 Cat Z
	7 W max	
MTBF	55,000 hrs 27,500 hrs	Aif @ 45° C Arw @ 45° C

## 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 20 g, 9 msec, ½ sine Crash 40 g, 11 msec ½ sine	MIL-STD-810E, Method 516.4 MIL-STD-810E, Method 516.4
Crash Hazard	Operating 40 g, 9 msec, ½ sine	MIL-STD-810E, Method 516.4
Vibration		
Panel Mount	PSD 0.04 g <sup>2</sup> /Hz, 5 -2000 Hz with injected rotor frequencies	MIL-STD-810E, Method 514.4, Cat 10
Hard Mount	PSD 0.1 g <sup>2</sup> /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	

## MORE TARGA SOLUTIONS

Targa's solid-state storage solutions are available in a wide range of form factors and interfaces:

- PC Card DTUs  
Serial, SCSI;  
Ethernet, USB
- USB Flash Disks 3.5"
- Removable Disk Systems:  
Ethernet, SATA, USB

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