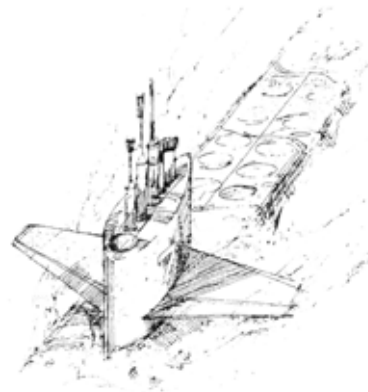


Targa PC Card USB 1.1 & USB 2.0 “Mass Storage” Data Transfer Units



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) capacities: up to 32 GB**
- Small, lightweight, rugged construction providing reliable data storage
- Locking access door with door open detect & PC Card shutdown
- Interfaces: USB 1.1 & USB 2.0 Mass Storage Device / Bulk Transport
- Input Power +28 V_{dc}, with 20 msec holdup or +5 V_{dc}
- Mounting Panel Mount (DZUS) per MS25212C at K=4
Internal Mount – 3 1/2” disk form factor



Internal Mount



Panel Mount

Model Numbers

USB	Power		LED Indicators	Unit Mounting
	+24 V _{dc}	+5 V _{dc}		
DR30-40-2	•	-	-	Panel Mount
DR32-40-2	•	-	•	
HS30-40-2	-	•	-	Internal Mount
HS32-40-2	-	•	•	
DR39-40-0	110 – 220 V _{ac}		•	Desktop



Desktop Unit



communications

Targa Systems Division



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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
6U, single slot
- CPCI
USB, SCSI
6U & 3U
- PC Card DTU's
Serial, SCSI;
MIL-STD1553,
Ethernet, USB
- USB Flash Disks
3.5"
- Removable Disk Systems
3.5" and 2.5"

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Targa PC Card USB Interface DTU Specifications

	USB 1.1 Bulk Transport	USB 2.0 Bulk Transport
Bus Speed	12 Mbit/sec	480 Mbit/sec
Data Reads	500 KB/sec	5 MB/sec
Data Writes	500 KB/sec	5 MB/sec

Data transfer speed: 1 MByte data transfer with 16KByte block size

Panel Mount Units DR3x-40-2

Input Power	+28 V _{dc}	RTCA-DO-160 Cat Z 4 W max
MTBF (217F AIC)	35,000 hours (preliminary)	
Physical	Form factor	Per MS25221C K=4
	Unit case	1.4"H x 5"W x 6.5"D
	Front Panel	1.5"H x 5.75"W
Weight	800 g	

Internal Mount Units HS3x-40-2

Input Power	+5 V _{dc}	4 W max
MTBF (217F AIC)	60,000 hours (preliminary)	
Physical	1.4"H x 4.25"W x 5.5"D	
Weight	500 g	

Environmental

Temperature	Operating -40°C to +75°C	MIL-STD-810E, Method 501.3
	Storage -55°C to +85°C	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 40g, 11msec, ½sine	RTCA/DO-160D, Sec. 7 (Modified) & MIL-STD-810E, Method 516.4
Vibration	PSD 0.04 g ² /Hz, 5 - 2000 Hz	MIL-STD-810E, Method 514.4, Cat10
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	