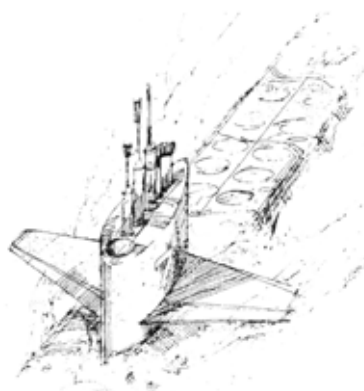
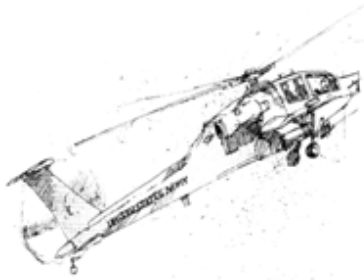


# Targa PC Card Data Transfer Units Panel Mount or Internal Mount



## 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:           SCSI-2; 8 bit single ended  
                              Serial RS422/485 and RS232  
                              USB  
                              Ethernet
- Input Power        +28 V<sub>dc</sub>, with 20 msec holdup or +5 V<sub>dc</sub>
- Mounting            Panel Mount (DZUS) per MS25212C at K=4  
                              Internal Mount – 3 ½" disk form factor



Internal Mount



Panel Mount

## Model Numbers

Interface			Options			Unit Mounting
SCSI	Serial RS-422/485 RS-232	USB	Power		LED Indicators	
			+24 V <sub>dc</sub>	+5 V <sub>dc</sub>		
DR30-10-2	DR30-20-2	DR30-40-2	•	-	-	<b>Panel Mount</b>
DR30-11-2	DR30-21-2	DR30-41-2	-	•	-	
DR32-10-2	DR32-20-2	DR32-40-2	•	-	•	
DR32-11-2	DR32-21-2	DR32-41-2	-	•	•	
HS30-10-2	-	HS30-40-2	-	•	-	<b>Internal Mount</b>
HS32-10-2	-	HS32-40-2	-	•	•	
DR39-10-0	-	DR39-40-0	110 – 220 V <sub>ac</sub>		•	<b>Desktop</b>



Desktop Unit



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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 DTU Specifications

	SCSI	Serial	MIL-STD-1553
<b>Bus Speed</b>	5 MB/sec	9600 – 230 KBaud	1 MBaud
<b>Data Reads</b>	> 850 KB/sec	Protocol Dependent	Protocol Dependent
<b>Data Writes</b>	> 750 KB/sec	Protocol Dependent	Protocol Dependent
<b>Panel Mount Units DR3x-yy-2</b>			
<b>Input Power</b> +28Vdc	RTCA-D0-160 Cat Z 4w max	RTCA-D0-160 Cat Z 4w max	RTCA-D0-160 Cat Z 6w max
<b>MTBF (217F AIC)</b>	35,000 hours	33,000 hours	30,000 hours
<b>Physical</b>	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		
<b>Weight</b>	825 g		
<b>Internal Mount Units HS3x-yy-2</b>			
<b>Input Power</b>	+5 V <sub>dc</sub> 4w max	+5 V <sub>dc</sub> 4w max	+5 V <sub>dc</sub> 6w max
<b>MTBF (217F AIC)</b>	60,000 hours	58,000 hours	55,000 hours
<b>Physical</b>	1.4"H x 4.25"W x 5.5"D		
<b>Weight</b>	525 g		
<b>Environmental</b>			
<b>Temperature</b>	Operating -40°C to +75°C Storage -55°C to +85°C	MIL-STD-810E, Method 501.3 MIL-STD-810E, Method 502.3	
<b>Altitude</b>	50 000 ft	MIL-STD-810E, Method 500.3	
<b>Humidity</b>	10-100% Condensing	RTCA/DO-160D, Sec. 6, Cat. B	
<b>Shock</b>	Operating 40g, 11msec, ½sine	RTCA/DO-160D, Sec. 7 (Modified) & MIL-STD-810E, Method 516.4	
<b>Vibration</b>	PSD 0.04 g <sup>2</sup> /Hz, 5 - 2000 Hz PSD 0.02 g <sup>2</sup> /Hz, 10 – 300 Hz 0.002 g <sup>2</sup> /Hz, 300 - 2000Hz & Injected sine waves @ F2 & F3,	MIL-STD-810E, Method 514.4, Cat10 RTCA/DO-160D, Sec. 8 (Modified)	
<b>Explosive Atm</b>	RTCA DO/160D, Sec. 9, Cat. E		
<b>Waterproofness</b>	RTCA DO/160D, Sec. 10, Cat. W		
<b>Sand &amp; Dust</b>	RTCA DO/160D, Sec. 12, Cat. D		
<b>Fungus</b>	RTCA DO/160D, Sec.13, Cat. F		
<b>Salt Spray</b>	RTCA/DO-160D, Sec. 14, Cat. S		
<b>EMI</b>	MIL-STD-461/462  RTCA/DO-160C	CE01, CE03, CE07, CS01, CS02, CS06, RE01, RE02, RS01, RS02, RS03  Sec. 15, Cat A; Sec. 17, Cat. A; Sec. 18, Cat. B Sec. 19, Cat. Z; Sec. 20, Cat. Y; Sec. 21, Cat Z	

Specifications are subject to change without notice.  
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