Rugged, Compact Data Transfer Units (DTUs): SCSI, Serial or USB Interface

Internal-Mount

DZUS Rail, Panel-Mount

Desktop Unit

L-3 Targa's PC Card Data Transfer Units (DTUs) provide a compact self-contained system to store and retrieve data from ndustry-standard PCMCIA cards (ATA) and have been qualified to meet the most demanding MIL-STD-810 and RTCA DO-160 environments.

KEY FEATURES

- PC cards (ATA) capacities: up to 32 GB

- Small, lightweight, rugged construction providing reliable data storage

- Access door with door-open detection and PC card shutdown

- Interfaces: SCSI-2, 8-bit, single-ended
  Serial RS422/485 and RS232
  USB 2.0 mass storage device/bulk transport

- Input power: +28 VDC with 20 msec holdup or +5 VDC

- Mounting: Panel-mount (DZUS rail) per MS25212C (military standard); K=4
  Internal-mount — 3 .5-in. disk form factor

Aviation Products

MODEL NUMBERS

	INTERFACE			OPTIONS			
SCSI	SERIAL RS-422/485 RS-232	USB	POWER +24 VDC	POWER +5 VDC	LED INDICATORS	UNIT MOUNTING	
DR30-10-2	DR30-20-2	DR30-40-2	√	-	-	Panel-Mount	
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	-	√	√	Hard-Mount	
HS32-10-2	-	HS32-40-2	-	√	√		
DR39-10-0	-	DR39-40-0	110 to 220 VAC		√	Desktop	

	SCSI	Serial	USB
Bus Speed	5 MB/sec.	9600 to 230 kBaud	USB 2.0
Data Reads	> 850 kB/sec.	Protocol-dependent	10 MB/sec.
Data Writes	> 750 kB/sec.	Protocol-dependent	10 MB/sec.

	Panel-Mount DR3x-yy-2	Internal-Mount HS3x-yy-2
Physical Form Factor Unit Case Front Panel	Per MS25221C K=4 6.5 in. x 5 in. x 1.4 in. (L x W x H) 5.75 in. x 1.5 in. (W x H)	5.5 in. x 4.25 in. x 1.4 in. (L x W x H)
Input Power	+28 VDC, RTCA D0-160, Cat. Z	4 W max, RTCA D0-160, Cat. Z
Weight	825 g	525 g

ENVIRONMENTAL

Temperature	Operating Storage	-40 °C to +75 °C -55 °C to +85 °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% to 100% condensing		RTCA DO-160D, Sec. 6, Cat. B
Shock	Operating	40 g, 11 msec, ½ sine	RTCA DO-160D, Sec. 7 (modified) and MIL-STD-810E, Method 516.4
Vibration	PSD 0.04 g^2/Hz, 5 to 2000 Hz		MIL-STD-810E, Method 514.4, Cat. 10
Explosive Atm	RTCA DO-160D, Sec. 9, Cat. E		
Waterproof	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-461/462 — CE01, CE03, CE07, CS01, CS02, CS06, RE01, RE02, RS01, RS02, RS03 RTCA DO-160C — Sec 15, Cat. A; Sec. 17, Cat. A; Sec. 18, Cat. B; Sec 19, Cat. Z; Sec. 20, Cat. Y; Sec. 21, Cat. Z		

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-in.
- Removable Disk Systems: Ethernet, SATA, USB

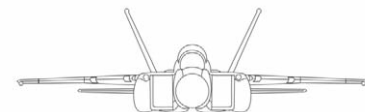**Aviation Products**

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L-3 Aviation Products is a leading provider of commercial and military avionics, as well as MRO services. We manufacture a diverse line of safety- and efficiency-enhancing products that sets the standard for next-generation cockpit requirements.