

# SERIES 3 ETHERNET NAS PC & CF CARD DATA TRANSFER UNIT



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



Hard-Mount  
with Rugged Door



DZUS Rail, Panel-Mount



Desktop Unit



L-3's PC & CF Card Data Transfer Units (DTUs) provide a compact, self-contained system to store and retrieve data from industry-standard flash cards (ATA) in the most demanding MIL-STD-810 and RTCA DO-160 environments.

### KEY FEATURES

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

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## MODEL NUMBERS

PC CARD MODEL NO.	CF CARD MODEL NO.	POWER +28 VDC	LED INDICATOR	RUGGED DOOR	UNIT MOUNTING
DR30-50-2	DR30CF-50-2	✓	-	-	Panel-Mount
DR32-50-2	DR32CF-50-2	✓	✓	-	
DR30R-50-2	DR30RCF-50-2	✓	-	✓	
DR35-50-2	DR35CF-50-2	✓	-	✓	Hard-Mount
DR39-50-0	DR39CF-50-0	110 to 220 VAC	✓	-	Desktop

L-3's Network Attached Storage (NAS) DTU is a dedicated file server providing access to DOS files, stored on a removable PC or CF card, for single- 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)	Mounted via four 10 to 32 captive screws (see photo)
Unit Case	6.5 in. x 5 in. x 1.75 in. (L x W x H)	6.5 in. x 5 in. x 1.75 in. (L x W x H) (excludes mounting tabs)
Front Panel	5.75 in. x 1.875 in. (W X H)	5.5 in. x 1.875 in. (W X H)
Weight	1.1 kg	1.1 kg
Input Power	+28 VDC, 7 W max	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% to 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 to 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 to 2000 Hz	MIL-STD-810E, Method 514.4
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-461E — CE102, CS101, CS114, RE102, RS103 MIL-STD-461C — CS06	

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## MORE TARGA SOLUTIONS

L-3'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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