

SERIES 6 DATA TRANSFER SYSTEM



Removable Storage Module (RSM), Data Transfer Unit (DTU) and Desktop Reader



**Series 6 RSM
Data Transfer Unit (DTU)**

L3 Targa Systems, a leader in rugged Data Transfer Systems (DTS) innovation and design is again, leading the industry with our Series 6 Removable Storage Module (RSM) that fits in the palm of your hand. The Series 6 RSM is a transformational development providing 64 GB of embedded, removable storage accessible from any of the three RSM interfaces: 10/100 Ethernet, USB and RS 422.

The Series 6 products are available in wide range of configurations:

- **RSM plus Holder** – for incorporation into an OEM system
- **Data Transfer Unit (DTU)** – with 28 VDC input power as a standalone Dzus rail panel mount
- **Desktop Reader** – for mission support

Series 6 RSM and RSM Holder



Series 6 RSM Desktop Reader and Reader Stack



KEY FEATURES

- Small, lightweight, rugged, removable data storage for SWAP-challenged applications
- 64 GB data storage
- Configurable as – 1 to 4 logical disks
- Low power < 5 Watts
- AES 256 data encryption – data at rest protection
- Three interfaces supported by same unit
 - 10/100 Ethernet NAS
(FTP/NFS/CIFS/Pxe Boot/Netcapture)
Transfer rate – 10 MB/sec. clear data
6 MB/sec. AES encrypted
 - USB 2 Mass Storage (SSD)
Transfer rate – 30 MB/sec. Read
15 MB/sec. Write
 - RS 422 Serial Interface – 9,600 to 230k BAUD

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Specifications

PHYSICAL			
Model:	RSM + RSM Holder	RSM + RSM DTU	RSM + Desktop Reader
Physical Form Factor	3.6 in. x 2.5 in. x 0.9 in. (L x W x H) <i>Optional front mtg tabs available</i>	K=4 CDU per MS252221C 6.5 in. x 5.75 in. x 1.5 in. (L x W x H)	3.5-in. disk per SFF-8301 <i>Stacking option available</i>
Weight	250 g	900 g	700 g
Input Power	+5 VDC ± 5% 3 W (max)	28 VDC per RTCA DO-160 Cat. Z 5 W (max)	+5 VDC ± 5% 5W (max) AC Adapter available
Ethernet NAS Clear Data	Read: Write:	10 MB/sec.	
Ethernet NAS Encrypted Data	Read: Write:	6 MB/sec.	
USB 2 Bulk Transfer	Read: Write:	30 MB/sec. 15 MB/sec.	
RS-422 Baud Rates	9,600, 19.2K, 38.4K, 115K, 230K		
Data Storage Capacity	64 GB (nominal)		

ENVIRONMENTAL			
Model:	RSM + RSM Holder	RSM + RSM DTU	RSM + Desktop Reader
Temperature	Operating:	- 40 °C to + 71 °C	office
	Storage:	- 55 °C to + 85 °C	
Temperature Shock	MIL-STD-810, Method 503	MIL-STD-810, Method 503	n/a
Altitude	50,000 ft.	50,000 ft.	office
Humidity	10% to 100% condensing	10% to 100% condensing	office
Shock	Operating:	20 g, 9 msec ½ sine	n/a
	Crash Hazard:	40 g, 9 msec ½ sine	
Vibration	PSD 0.04 g ² /Hz 10-2,000 Hz	PSD 0.04 g ² /Hz 10-2,000 Hz	n/a
Sand & Dust	n/a	RTCA DO-160D Sec. 12, Cat. D	n/a
EMI	Contact L3 Targa	Mil-Std-461C CS06 Mil-Std-461E CE102, CS101, CS114, RE102, RS103, CS115, CS116, RS103	FCC Class B

MODEL NUMBERS	
Removable Storage Module (RSM) 64 GB Capacity:	RSM60-70-64G-2E
RSM Holder	Basic:
	W Mtg Tabs:
RSM Data Transfer Unit (DTU)	RS422:
	USB 2.0:
	Ethernet:
	All:
RSM Desktop Reader	USB + Ethernet:
	Stacker Base + Links:

Contact Targa Systems to discuss how we can solve your obsolete DTS issues and enhance system capabilities with our innovative products.

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L3 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.