

DATASHEET



USB / ESATA STORAGE UNIT

Dedicated Micros recommend the use of the NetStor Product for use with all Dedicated Micros latest generation of Digital video recorders, NVR's and servers.

The product is a 4 bay storage unit, taking 3.5" drives which can be configured using the IOI eSATA / USB storage controller. The interface can be configured as either RAID1 (Mirrored storage) or RAID5 (3+1 Parity), or as a JBOD collection of drives.

This provides a product with interface options for all the DM product range (Excluding Eco, DS2 and BX2).

The product range consists of a 0GB product, so that customers can select the drives that are appropriate for their application, but can also be provided populated with 1,2 or 3TB Enterprise drives to provide raw storage capacity of 4, 8 or 12TB.

Please note that in RAID1 (Mirrored), the effective storage available is half the raw capacity and in RAID 5 (Striped and Parity), the effective storage is 3/4 of the raw capacity.

PRODUCT RANGE AND PIN CODES

DM/NTSTR/0GB - Chassis and interface card - Customer fits own drives

DM/NTSTR/4TB - Configured storage unit with 4x1TB. Configured as JBOD

DM/NTSTR/8TB - Configured storage unit with 4x2TB. Configured as JBOD

DM/NTSTR/12TB - Configured storage unit with 4x3TB. Configured as JBOD

All products can be customer configured as RAID1 or 5.



SPECIFICATION

LED Display	White - Power on indicator Blue - Busy (HDD Accessing) indicator
LED Display for Environmental Monitoring	POWER on LED - white FAN normal – green; fail – red (too slow rpm or stop) TEMP normal – green; over 55°C – red
Dimension	(W):48.2cm (H):4.4cm (D):45.3cm
Material	Heavy-duty cold-rolled steel hosing, front panel & Plastic tray face
Power Supply	220W Input: 90 – 230 VAC 50- 60 Hz Output: +5V and +12V DC
Cooling	Two 75 x 75 x 28 mm Hot-Swappable Blowers
O.S. support	OS Independent

INTERFACE CARD DETAILS

- Rebuild speed: 200GB/hour
- Fully hardware-accelerated RAID Engine
- No driver, BIOS or software required for RAID operation
- No external DRAM or processor required for RAID operation
- Independent of device SATA port connection sequence
- Supports RAID levels: 0 / 1 / 3 / 5 / 10 / JBOD / CLONE
- RAID 3 / 5 write-back cache to enhance performance
- SATA In-band application interface
- Supports more than 2TB RAID drive
- Supports on-line read data integrity check
- Supports on-line command based bad sector recovery
- Supports on-line Auto-Rebuild
- Rebuild speed: 200GB/hour
- Rebuild proceeds continuously between power cycling
- Supports Hot Spare on RAID
- Supports various RAID configurations and monitoring methods
- Compliant with Serial ATA II Port Multiplier Spec. Revision 1.1
- Compliant with Serial ATA II PHY Electrical Spec. Revision 1.0
- Compliant with Serial ATA High Speed Serialized AT Attachment Spec. Revision 2.5

COMPATIBLE PRODUCTS

Product range	USB	eSATA
Ecosense	✓	✗
SD	✓	✓
SD Advanced WCD (VGA)	✓	✓
SD Advanced C6Q (HDMI)	✓	✓
DV-IP Server	✓	✓
DV-IP RT / NRT	✓	✓
DV-IP Express	✓	✓
DV-IP ATM (USB)	✓	✗
DV-IP NV1	✓	✗
DV-IP NV4	✓	✓
DV-IP NV8	✓	✓

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