

# PRIMERGY DAT Streamer DDS Generation 5 SCSI/USB

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## DDS Generation 5 streamer - a reliable, low-cost data backup solution Introduction



The DDS Gen5 tape drive is the 5th generation of tried-and-tested DDS tape technology. Like its predecessors, it offers a reliable, low-cost data backup solution. The drive stores 72 GB of data in 3.5 hours (compressed), making it an ideal solution for small to medium-sized servers.

The DDS Gen5 tape drive offers transfer rates of 6 MB/s at a compression of 2:1.

The DDS Gen5 drive can be supplied with 2 different interfaces, either SCSI or USB.

Depending on the server's configuration, the SCSI version can be connected either to an onboard SCSI or via a plugged SCSI controller.

The USB version is connected without a controller directly to the internal USB port. This version is therefore independent of an additional controller and thus represents a data backup solution that is even less expensive.

- DDS is a tried-and-tested industry standard and the most widespread backup technology for servers
- High speed: the DDS-Gen5 drive transfers 72 GB to a tape in 3.5 hours
- Investment protection as a result of read/write compatibility with the DDS-3 and DDS-4 tape drives
- Low media costs
- Automated cleaning of the tape path means less maintenance by users
- It can be installed in all current PRIMERGY tower servers and the PRIMERGY SX10 subsystem. Only the SCSI version can be installed in the PRIMERGY SX10 subsystem.
- Proven reliability: the MTBF is 125,000 hours in continuous operation. Given a typical duty cycle of 12%, the MTBF is around 1 million hours.

Type	<b>DAT streamer DDS Gen5</b>
Capacity uncompressed / compressed	36 GB / 72 GB
Buffer size (with parity)	8 MB with full error protection (SDRAM)
Transfer rate uncompressed	3 MB/s; 10 GB/hour
Transfer rate compressed	6 MB/s; 21.6 GB/hour
Interfaces	U2W SCSI LVD USB 2.0
Recording format	ANSI/ISO/ECMA, DDS-3, DDS-4 and DAT 5. Gen.
Mean time between failure (MTBF)	125,000 hours
<b>Tape speed</b>	
Search speed	50 seconds average file access time
<b>Dimensions / weight</b>	
Form factor	5.25 inch half-height (HH)
Internal drive (height/width/depth) Weight	41 / 147 / 162 mm 1 kg
<b>Power supply</b>	
Power SCSI	+5V DC, 1.5 A; + 12V DC, 0.6 A
Power USB	+5V DC, 0.8 A + 12V DC, 0.3 A
Power consumption (standby)	8.7 W (typical) 22.5 W (maximum)
<b>Temperature</b>	
Operation	+ 5° C to 40° C
Storage / transport	- 40° C to + 70° C
<b>Relative humidity</b>	
Operation	20% - 80%

<b>Compliance with standards</b>	
<b>Product safety</b>	
Global	IEC 60950
Europe	EN 60950
USA / Canada	CSA C22.2 No. 950 M89
<b>Electromagnetic compatibility</b>	
Europe	
Taiwan / Japan	VCCI
Australia / New Zealand	
USA / Canada	
<b>Declaration of conformity</b>	
Europe (CE)	
North America	FCC Class A and Class B <sup>1</sup>
<b>Approvals</b>	
<b>Product safety</b>	
Global	
Europe	CE
USA / Canada	CSA <sub>US</sub>
There is general compliance with the safety requirements of all European countries and North America. National approvals required in order to satisfy statutory regulations or for other reasons (e.g. for Canada and USA, East European countries, Norway) can be applied for on request.	