

# AIT TURBO

High-Performance and Cost-Effective Solutions with proven technology.

## An Affordable Line-up of AIT tapes for Your Storage Solutions

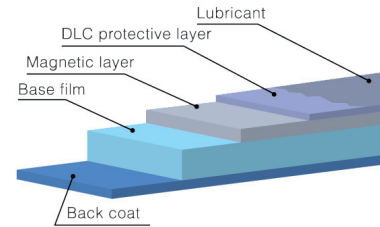
Sony's AIT Turbo tapes are the solution to your storage needs when cost is an important factor. With the same AME (Advanced Metal Evaporated) technology utilized in the AIT format, the AIT Turbo series offers capacities from 20GB (native) to 208GB (compressed). And whether you need a tape with or without a 64K chip to save information about your stored data, AIT Turbo has the right tape option for you.



# AIT TURBO

## Proven technology from AIT

Since the AIT format was first introduced into the market in 1996, Sony has employed AME (Advanced Metal Evaporated) tape technology. 100% pure cobalt is evaporated and deposited directly on the base film for high magnetic flux density and coercivity. Above the magnetic layer is the tough DLC (Diamond Like Carbon) protective layer and high-performance lubricant coating. With this proven AME technology, Sony has developed AIT Turbo media for cost-effective solutions while maintaining the reliable AIT characteristics. AIT Turbo media can only be used with an AIT Turbo drive.



## Easy AIT migration

AIT is migrating capacity and speed with reliability for mid-range to large data applications. For small business data protection, Sony offers AIT Turbo migration on proven AIT technology.

## Cleaning cartridge, SDX1-CL

The AIT drive has a self-cleaning mechanism, so frequent use of the cleaning cartridge is not necessary. The cleaning cartridge needs to be used only when the drive's cleaning lamp flashes. This cleaning cartridge can also be used for AIT Turbo drives as well as AIT drives.



AIT Cleaning Cartridge

## AIT Turbo Main Specifications

Model Name	TAITE-20N	TAIT1-40N	TAIT1-40C	TAIT2-80N	TAIT2-80C
Format	AIT-E Turbo	AIT-1 Turbo		AIT-2 Turbo	
Magnetic Type	AME	AME		AME	
MIC Type	Non	Non	64kbit MIC	Non	64kbit Remote-MIC
Recording Capacity (Compressed*1)	20GB (52GB)	40GB (104GB)		80GB (208GB)	
Data Transfer Rate	6MB/s	6MB/s		12MB/s	
Tape Width (mm)	8	8		8	
Tape Thickness (μm)	6.6	6.6		6.6	
Tape Length	98	186		186	
Cartridge Dimensions (mm)	95 x 62.5 x 15				
Weight (g)	67 (with case)	74 (with case)		74 (with case)	
Environmental Requirements	Operation Conditions (°F(°C);%RH) : 41~113 (5~45);20~80*2 Storage Conditions (°F(°C);%RH) : 41~89.6 (5~32);20~60*2 Transportation Conditions (°F(°C);%RH) : -40~113 (-40~45);5~80*2				

## AIT Turbo Drive/Media Compatibility

Format	Recording Capacity	Model								
		AIT-1 Drive	AIT-2 Drive	AIT-3 Drive	AIT-3Ex Drive	AIT-4 Drive	AIT-5 Drive	AIT-E Turbo Drive	AIT-1 Turbo Drive	AIT-2 Turbo Drive
AIT-E Turbo	TAITE-20N (20GB/52GB*3)	Reject	Reject	Read 12MB/s	Read*4 16MB/s	Reject	Reject	R/W 6MB/s	R/W 6MB/s	R/W 12MB/s
AIT-1 Turbo	TAIT1-40N (40GB/104GB*3)	Reject	Reject	Read 12MB/s	R/W*4 16MB/s	Reject	Reject	Reject	R/W 6MB/s	R/W 12MB/s
	TAIT1-40C (40GB/104GB*3)	Reject	Reject	Read 12MB/s	R/W*4 16MB/s	Reject	Reject	Reject	R/W 6MB/s	R/W 12MB/s
AIT-2 Turbo	TAIT2-80N (80GB/208GB*3)	Reject	Reject	Read 12MB/s	R/W*4 16MB/s	Reject	Reject	Reject	Reject	R/W 12MB/s
	TAIT2-80C (80GB/208GB*3)	Reject	Reject	Read 12MB/s	R/W*4 16MB/s	Reject	Reject	Reject	Reject	R/W 12MB/s

\*1 Compression ratio 2.6:1

\*2 Maximum wet bulb temperature: 79°F (26°C) at no condensation.

\*3 Assuming 2.6:1 compression, Data compression performance varies according to the type of data. Actual compression performance is generally lower if the data is pre-compressed.

\*4 Some of the drives (firmwares) may not be compatible.

For more information, visit our website at [sony.com/storagemedia](http://sony.com/storagemedia)