



AIT Turbo

New AIT Family – AIT Turbo High Performance and Cost Effective Solution with proven technology.



New AIT Family

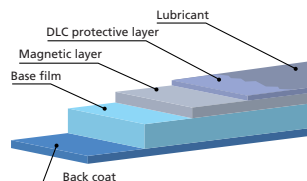
Sony is pleased to offer a new AIT family, AIT Turbo, enhancing both capacity and speed of earlier AIT generations delivering the same highly reliable and industry leading 8mm AIT format and technology.

Line-up for Better Solutions

AIT Turbo series offers capacities from 20GB to 80GB native and 52GB to 208GB compressed for effective cost performance. AIT Turbo reflects technical excellence, which Sony has proven with its reliability since AIT was introduced as a high and mid-range solution in 1996. AIT Turbo offers new performance and capacity options to supercharge backup.

The Technology for AIT Turbo Media

Since AIT was introduced into the market in 1996, Sony had been 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 new AIT Turbo media for cost effective solutions while keeping reliable AIT characteristics. AIT Turbo media can only be used with an AIT Turbo drive.



AIT Migration

AIT is migrating capacity and speed with high reliability for mid to large data class. For small business data protection, Sony offers AIT Turbo based on proven AIT technology.

AIT Turbo introduction: AIT-E Turbo and AIT-1 Turbo in 2004
AIT-2 Turbo in 2005

MODEL NAME	TAITE-20N	TAIT1-40N	TAIT1-40C	TAIT2-80N	TAIT2-80C
GENERAL CHARACTERISTICS					
Format	AIT-E Turbo	AIT-1 Turbo		AIT-2 Turbo	
Magnetic Material	AME				
MIC Type	Non	64kbit MIC		Non	64kbit Remote-MIC
Recording Capacity (Compressed*)	20GB (52GB*)	40GB (104GB*)		80GB (208GB*)	
PHYSICAL CHARACTERISTICS					
Tape Width (mm)	8.0				
Tape Thickness (µm)	6.6				
Tape Length (m)	98	186			
ENVIRONMENTAL REQUIREMENTS					
Operation Conditions (°F(°C);%RH)	41~113 (5~45);20~80**				
Storage Conditions (°F(°C);%RH)	41~89.6 (5~32);20~60**				
Transportation Conditions (°F(°C);%RH)	-40~113 (-40~45);5~80**				
DIMENSIONS					
External Dimensions (mm)	95.0 x 62.5 x 15.0				
Weight (g)	67 (with case)	74 (with case)			

* 1:2.6 Compression Ratio.

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

Drive/Media Compatibility

Media \ Drive	AIT-E Turbo	AIT-1	AIT-1 Turbo	AIT-2	AIT-2 Turbo	AIT-3	AIT-4
	TAITE-20N	SDX1-25C/35C	TAIT1-40N/40C	SDX2-36C/50C/50W	TAIT2-80N/80C	SDX3-100C/100W	SDX4-200C/200W
AIT-E Turbo	Read/Write	Reject	Reject	Reject	Reject	Reject	Reject
AIT-1	Reject	Read/Write	Reject	Reject	Reject	Reject	Reject
AIT-1 Turbo	Read/Write	Read/Write	Read/Write	Reject	Reject	Reject	Reject
AIT-2	Reject	Read/Write	Reject	Read/Write	Reject	Reject	Reject
AIT-2 Turbo	Read/Write	Read/Write	Read/Write	Read/Write	Read/Write	Reject	Reject
AIT-3	Reject	Read/Write	Reject	Read/Write	Reject	Read/Write	Reject
AIT-4	Reject	Reject	Reject	Read	Reject	Reject	Read/Write

* May not be supported by some drives.