

3.5-inch 4TB SATA Hard Disk Drive, RAID HDD-4TS-3R



* Specifications, color and design of the products are subject to change without notice.

Specifications

Item		Specifications	
Model name / Maker		ST4000VN008 / SEAGATE	
Form factor		3.5inch	
Host interface		SATA III (6.0Gbps)	
Storage capacity	Total capacity	4,000GByte	
	LBA	7,814,037,168	
Transfer velocity		180Mbit/sec *1	
RPM class		5,900rpm	
Cache		64MB	
Input voltage		+5VDC (±5%)	+12VDC (±10%)
Current consumption	Spinup	-	1.8 A (Ave.)
	Idle	116 mA (Ave.)	280 mA (Ave.)
	Operating	288 mA (Ave.)	283 mA (Ave.)
	Standby	9 mA (Ave.)	5 mA (Ave.)
	Sleep	9 mA (Ave.)	5 mA (Ave.)
Environment			
Operating	Temperature	5 - 70°C	
	Humidity	5 - 95%RH (With no condensation)	
	Corrosive gases	None	
	Swept sine vibration	2Hz to 22Hz: 0.25Gs, Limited displacement 22Hz to 350Hz: 0.50Gs 350Hz to 500Hz: 0.25Gs	
	Shock	80G or less (2ms)	
Non-operating	Temperature	-40 - +70°C	
	Humidity	5 - 95%RH (With no condensation)	
	Corrosive gases	None	
	Swept sine vibration	5Hz to 22Hz: 3.0Gs 22Hz to 350Hz: 3.0Gs 350Hz to 500Hz: 3.0Gs	
	Shock	300G or less (2ms)	
Power-on hours (POH)		8,760	
MTTF		1,000,000	
Component Design Life		5 years	
Physical dimensions (mm)		101.85(W)×146.99(D)×26.11(H)	
Weight		610g	

*1 It might differs depending on the software or host to be used.

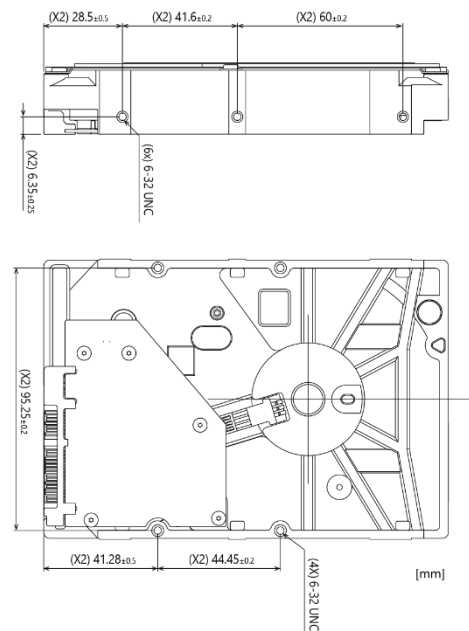
Packing List

Product [HDD-4TS-3R] ...1
Product Guide ...1
Warranty Certificate ...1
Serial Number Label ... 1

This product is a hard disk drive in accordance with 3.5-inch SATA standard.

- * The contents in this document are subject to change without notice.
- * Visit the CONTEC website to check the latest details.
- * The information in the data sheets is as of April 2024.

Physical Appearance



Connector Pin Assignment

Pin	Signal	Pin	Signal	Pin	Signal	Pin	Signal
S1	GND	S2	A+	S3	A-	S4	GND
S5	B-	S6	B+	S7	GND		
P1	V _{3.3}	P2	V _{3.3}	P3	V _{3.3}	P4	GND
P5	GND	P6	GND	P7	V ₅	P8	V ₅
P9	V ₅	P10	GND	P11	Ground or LED signal	P12	GND
P13	V ₁₂	P14	V ₁₂	P15	V ₁₂		

*1 POWER NOT CONECTED

Target Products

This product is the FA computer (VPC series) and custom-made PC (Solution-ePC) RAID model which have a 3.5-inch disk bay.

- * The RAID model requires two hard disks of the same type.