

# TAS-25PHS

2.5" PATA 44 pins SLC Industrial grade SSD

## ■ Introduction:

TAICENN TAS-25PHS Series SSD is 2.5-inch PATA SLC NAND Solid-state-drive, which adapts Hyperstone A2 controller. The SSD provide really long-term stability and reliability, besides it supports power-loss protection based on the unique technology of "Twin Concept". The TAS-25PHS owns excellent motherboard compatibility and runs stably in different OS, which let it widely to apply in industrial and embedded field.



## ■ Specification

<b>Form factor</b>	2.5" PATA
<b>Capacity</b>	8, 16, 32, 64, 128GB
<b>Flash type</b>	Micron SLC (single level cell) NAND Flash
<b>Sustained R/W</b>	8GB: 60/50 MB/s
	16GB: 65/55 MB/s
	32GB: 100/70 MB/s
	64GB: 100/800 MB/s
	128GB: 100/100 MB/s
<b>Random IOPS</b>	8GB: 3000/30
	16GB: 4000/50
	32GB: 4000/50
	64GB: 4000/50
	128GB: 4000/50
<b>Power Management</b>	5V SATA supply

	Support Hot Plug/Removal Function
<b>Power Consumption</b>	Active: 2W Idle/Sleep: 0.3W
<b>Reliability</b>	MBTF: 2 000 000 hours
<b>Shock Resistance</b>	1500G peak, 0.5ms, Half sine
<b>Vibration resistance</b>	20G peak, 20Hz to 2000Hz, Sine
<b>Applied Temperature</b>	Commercial grade: 0 ~ +70°C
	Industrial grade: -40 ~ +85°C
	Storage temperature: -55 ~ +95°C
<b>Dimension</b>	100mm x 70mm x 7.5mm (L x W x H)
<b>Weight</b>	80 g
<b>Warranty</b>	3 Years
<b>Special features</b>	Conformal coating
	Power Fail Protection
<b>Certificate</b>	CE/FCC/ROHS

## ■ Ordering information:

Part no.	Description
TAS-25PHS-XC	2.5" PATA SSD, SLC NAND, Hyperstone A2 controller, 8GB/16GB/32GB/64GB/128GB, 0 ~ +70°C
TAS-25PHS-XM	2.5" PATA SSD, SLC NAND, Hyperstone A2 controller, 8GB/16GB/32GB/64GB/128GB, -40 ~ +85°C

**X (different capacity): 8G/16G/32G/64G/128G**