

TAS-25PNS

2.5" PATA 44 pins SLC Industrial grade SSD

■ Introduction:

TAICENN TAS-25PNS Series SSD is 2.5-inch PATA SLC NAND Solid-state-drive (SSD), which adapts Novachips NVS3600A industrial controller. The SSD provide really long-term stability and reliability. Besides it supports integral power-loss protection based on the unique technology of ultra-big 3F capacitors. The TAS-25PNS has great performance, which is suitable for all kind of industrial and embedded applications. It can support fast secure erase function, and have a long-term supply.

■ Specification

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|-------------------------|---|
| Form factor | 2.5" PATA |
| Capacity | 32, 64, 128, 256, 512GB |
| Flash type | Micron SLC (single level cell) NAND Flash |
| Sustained R/W | 32GB: 100/100 MB/s |
| | 64GB: 100/100 MB/s |
| | 128GB: 100/100 MB/s |
| | 256GB: 100/100 MB/s |
| | 512GB: 100/100 MB/s |
| Random IOPS | 32GB: 5000/13000 |
| | 64GB: 5000/13000 |
| | 128GB: 5000/13000 |
| | 256GB: 5000/13000 |
| | 512GB: 5000/13000 |
| Power Management | 5V SATA supply Support Hot Plug/Removal Function |



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| Power Consumption | Active: 2.5W Idle/Sleep: 0.5W |
| Reliability | MBTF: 2 000 000 hours |
| Shock Resistance | 1500G peak, 0.5ms, Half sine |
| Vibration resistance | 20G peak, 20Hz to 2000Hz, Sine |
| Applied Temperature | Commercial grade: 0 ~ + 70°C |
| | Industrial grade: -40 ~ +85°C |
| | Storage temperature: -55 ~ +95°C |
| Dimension | 100mm x 70mm x 9.4mm (L x W x H) |
| Weight | 80 g |
| Warranty | 3 Years |
| Special features | Conformal coating |
| | Power Fail Protection |
| Optional | Military Fast Erase (Erase all blocks, and overwrite all locations with all "0" or "1".) |
| Certificate | CE/FCC/ROHS |

■ Ordering information:

| Part no. | Description |
|-----------------|---|
| TAS-25PNS-XC | 2.5" PATA SSD, SLC NAND, Novachips NVS3600A controller, 32GB/64GB/128GB/256GB/512GB, 0 ~ +70°C |
| TAS-25PNS-XM | 2.5" PATA SSD, SLC NAND, Novachips NVS3600A controller, 32GB/64GB/128GB/256GB/512GB, -40 ~ +85°C |
| TAS-25PNS-XM-FE | 2.5" PATA SSD, SLC NAND, Novachips NVS3600A controller, 32GB/64GB/128GB/256GB/512GB, -40 ~ +85°C, with fast erase |

X (different capacity): 32G/64G/128G/256G/512G