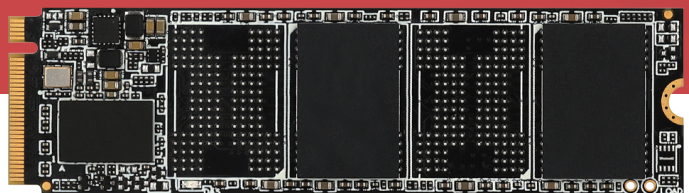# M.2 PCIe SSD (YSEX PRO)

Feature

· Interface： M.2 2280， PCIe Gen3 x 4
· Low-Density Parity-Check (LDPC) Code
· Global Wear Leveling
· Flash bad-block management
· Flash Translation Layer: Page Mapping
· Support S.M.A.R.T.
· Support TRIM

Yansen YSEX-XXX PRO is an NVM Express SSD designed as the standard M.2 form factor with PCIe interface and 3D TLC NAND Flash, capacity range is 256GB~2TB YSEX-XXX PRO supports PCIe Gen III x4, and it is compliant with NVMe 1.3 providing excellent performance. YSEX-XXX PRO with heat-spreading design dissipate heat generating from IC making SSD perform more stably. With sophisticated error detection and correction (ECC) functions, the module can ensure full End-to-end Data Path Protection that secures the data transmission between host system and NAND Flash.

Yansen YSEX-XXX PRO provides ultra-speed and high IOPS and offers maximum capacity up to 2TB, making the SSD optimal for server and heavy data workload applications.
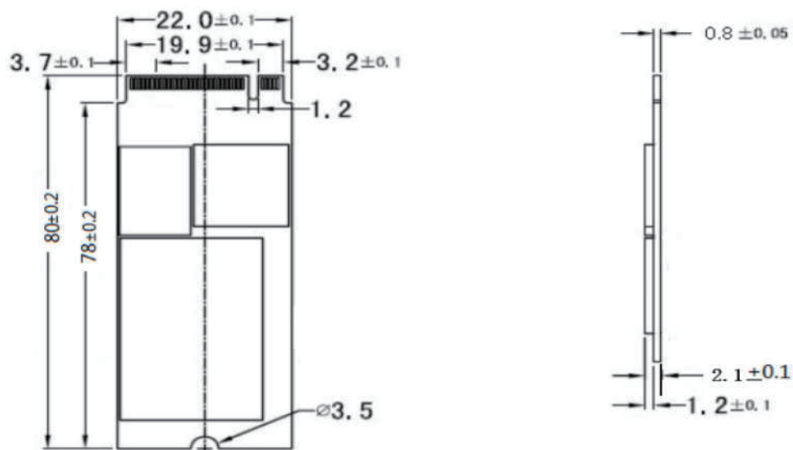

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Office： Room 1501-1503, Jinxiu Hongdu Building, at Meilong Road and Bulong Road in Minzhi Street, Long Hua District, Shenzhen, Guangdong, China. Zip Code: 518131
Factory： Factory:3rd/F.,E Block|Yalitong Ind. Park| Tangxia,Dongguan, Guangdong,China, 523710

YSEX PRO SERIES

Specifications

	YSEX-XXX PRO
Flash Type	TLC
Capacity	256GB~2TB
Sequential Read（MAX）	Up to 3600MB/s
Sequential Write（MAX）	Up to 3400MB/s
4K Random Read	186200 IOPS
4K Random Write	186100 IOPS
Operating Temperature	0°C ~ +70°C
Storage Temperature	-20°C ~ +75°C
Humidity	5%-95% RH non-condensing
Shock	1500G/0.5ms
Vibration	80Hz~2000Hz/20G
Operating Voltage	DC 3.3V±5%
Power Consumption（MAX）	8.6W
Dimensions	L80.0mm*W22.0mm*H2.1mm ±0.1mm
MTBF	2 million hours

Order Information

	Temperature	256GB	512GB	1TB	2TB
YSEX-XXX PRO	0°C ~ 70°C	YSEX-256 PRO	YSEX-512 PRO	YSEX-1T PRO	YSEX-2T PRO