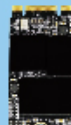
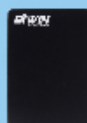


Product Overview

DEVOTION TO
STORAGE and
MICRO
ELECTRONICS



BIWIN

2.5 inch SSD

Interface	SATA III & SATA II & PATA
Dimension	SATA: 100.00mm × 69.85mm × 7.00mm
	100.20mm × 69.85mm × 9.30mm
	PATA: 100.20mm × 70.00mm × 9.50mm
Density	SATA III: 32GB/64GB/128GB/256GB/512GB/1TB
	SATA II: 4GB/8GB/16GB/32GB/64GB/128GB
	PATA: 8GB/16GB/32GB/64GB/128GB
Operating voltage	DC 5V (±5%)
Operating temperature	Consumer grade: 0°C~70°C
	Enterprise grade: -20°C~70°C
	Industrial grade: -40°C~85°C
MTBF	2,000,000 Hours
Max transfer performance	SATA III: Read 563MB/s, Write 452MB/s
	SATA II: Read 241MB/s, Write 123MB/s
	PATA: Read 113MB/s, Write 88MB/s



Laptop



Desktop



Server



Advertising machine



All-in-one PC



POS



Vehicle multimedia terminal

1.8 inch SSD

Interface	SATA III & SATA II & PATA
Dimension	SATA: 70.00mm × 60.00mm × 7.00mm
	PATA: 70.00mm × 59.90mm × 6.30mm
Density	SATA III: 16GB/32GB/64GB/128GB/256GB/512GB
	SATA II: 4GB/8GB/16GB/32GB/64GB/128GB
	PATA: 8GB/16GB/32GB/64GB/128GB
Operating voltage	DC 5V (±5%)
Operating temperature	Consumer grade: 0°C~70°C
	Enterprise grade: -20°C~70°C
	Industrial grade: -40°C~85°C
MTBF	2,000,000 Hours
Max transfer performance	SATA III: Read 562MB/s, Write 452MB/s
	SATA II: Read 241MB/s, Write 157MB/s
	PATA: Read 108MB/s, Write 71MB/s



All-in-one PC



Vehicle multimedia terminal

M.2 (NGFF)

Interface	SATA III & SATA II
Dimension	SATA: 42.00mm × 22.00mm × 3.20mm
	60.00mm × 22.00mm × 3.20mm
	80.00mm × 22.00mm × 3.20mm
	SATA/PCIe: 110.00mm × 22.00mm × 3.20mm
Density	PCIe 3.0: 16GB/32GB/64GB/128GB/256GB/512GB/1TB
	SATA III: 16GB/32GB/64GB/128GB/256GB/512GB/1TB
	SATA II: 16GB/32GB/64GB/128GB
Operating voltage	DC 3.3V (±5%)
Operating temperature	Consumer grade: 0°C–70°C
	Enterprise grade: –20°C–70°C
MTBF	2,000,000 Hours
Max transfer performance	PCIe 3.0: Read 2133MB/s, Write 1670MB/s
	SATA III: Read 563MB/s, Write 438MB/s
	SATA II: Read 241MB/s, Write 149MB/s



Ultrabook



Tablet



Two-in-one PC

mSATA

Interface	SATA III & SATA II
Dimension	mSATA: 50.80mm × 29.85mm × 4.85mm
Density	SATA III: 8GB/16GB/32GB/64GB/128GB/256GB/512GB
	SATA II: 4GB/8GB/16GB/32GB/64GB/128GB
Operating voltage	DC 3.3V (±5%)
Operating temperature	Consumer grade: 0°C–70°C
	Enterprise grade: –20°C–70°C
	Industrial grade: –40°C–85°C
MTBF	2,000,000 Hours
Max transfer performance	SATA III: Read 559MB/s, Write 465MB/s
	SATA II: Read 241MB/s, Write 123MB/s



Laptop



Desktop



Medical device



Digital Signage



All-in-one PC



POS



Vehicle multimedia terminal

mSATA mini

Interface	SATA III & SATA II
Dimension	mSATA mini: 26.80mm × 29.85mm × 3.85mm
Density	SATA III: 8GB/16GB/32GB/64GB/128GB/256GB SATA II: 8GB/16GB/32GB/64GB
Operating voltage	DC 3.3V (±5%)
Operating temperature	Consumer grade: 0°C~70°C Enterprise grade: -20°C~70°C
MTBF	2,000,000 Hours
Max transfer performance	SATA III: Read 527MB/s, Write 189MB/s SATA II: Read 226MB/s, Write 85MB/s



Laptop



Desktop



Medical device



Digital Signage



All-in-one PC



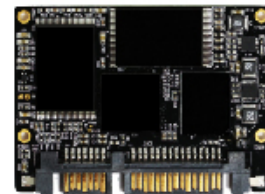
POS



Vehicle multimedia terminal

Half Slim

Interface	SATA III & SATA II
Dimension	54.00mm × 39.00mm × 4.00mm
Density	SATA III: 16GB/24GB/32GB/64GB/128GB/256GB SATA II: 4GB/8GB/16GB/32GB/64GB/128GB
Operating voltage	DC 5V (±5%)
Operating temperature	Consumer grade: 0°C~70°C Enterprise grade: -20°C~70°C Industrial grade: -40°C~85°C
MTBF	2,000,000 Hours
Max transfer performance	SATA III: Read 560MB/s, Write 290MB/s SATA II: Read 241MB/s, Write 149MB/s



Laptop



Medical device



POS



Vehicle multimedia terminal

SATA DOM

Interface	SATA III & SATA II
Dimension	Vertical: 39.30mm × 22.00mm × 7.10mm Horizontal: 31.30mm × 22.00mm × 14.00mm
Density	SATA III: 4GB/8GB/16GB/32GB/64GB/128GB SATA II: 2GB/4GB/8GB/16GB/32GB/64GB
Operating voltage	DC 5V (±5%)
Operating temperature	Consumer grade: 0°C~70°C Enterprise grade: -20°C~70°C Industrial grade: -40°C~85°C
MTBF	2,000,000 Hours
Max transfer performance	SATA III: Read 347MB/s, Write 98MB/s SATA II: Read 221MB/s, Write 93MB/s



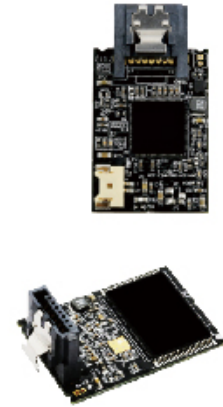
Surveillance



Medical device



Numerical control machine



PATA DOM

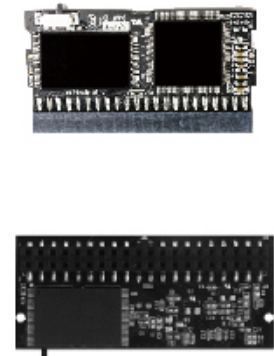
Interface	44PIN & 40PIN IDE
Dimension	44PIN: 46.80mm × 26.90mm × 6.70mm 40PIN: 54.50mm × 23.50mm × 11.50mm
Density	4GB/8GB/16GB/32GB/64GB
Operating voltage	DC 5V (±5%)
Operating temperature	Consumer grade: 0°C~70°C Enterprise grade: -20°C~70°C Industrial grade: -40°C~85°C
MTBF	2,000,000 Hours
Max transfer performance	Read 111MB/s, Write 50MB/s



IPC



ATM



USB DOM

Interface	USB 2.0
Dimension	Horizontal: 35.00mm × 21.40mm × 6.00mm Vertical: 33.80mm × 21.40mm × 5.20mm
Density	4GB/8GB/16GB/32GB
Operating voltage	DC 5V (±5%)
Operating temperature	0°C~70°C
MTBF	2,000,000 Hours
Max transfer performance	Read 28MB/s, Write 25MB/s



IPC



POS



CFast Card

Interface	SATA III & SATA II
Dimension	42.80mm × 36.40mm × 3.30mm
Density	8GB/16GB/32GB/64GB/128GB/256GB
Operating voltage	DC 3.3V (±5%)
Operating temperature	Consumer grade: 0°C~70°C
	Enterprise grade: -20°C~70°C
	Industrial grade: -40°C~85°C
MTBF	2,000,000 Hours
Max transfer performance	SATA III: Read 475MB/s, Write 160MB/s
	SATA II: Read 245MB/s, Write 147MB/s



IPC



Gaming machine



Camera



Drone

Compact Flash Card

Interface	CF-50PIN
Dimension	42.80mm × 36.20mm × 3.30mm
Density	8GB/16GB/32GB/64GB
Operating voltage	DC 3.3V (±5%)
Operating temperature	Consumer grade: 0°C~70°C
	Industrial grade: -40°C~85°C
MTBF	2,000,000 Hours
Max transfer performance	Read 110MB/s, Write 90MB/s



IPC



Camera

eMMC (qNAND)

Interface	eMMC 5.1 & eMMC 4.51
Dimension	LFBGA153: 11.50mm × 13.00mm × 1.00mm
	LFBGA169: 12.00mm × 16.00mm × 1.00mm
	14.00mm × 18.00mm × 1.20mm
Density	2GB/4GB/8GB/16GB/32GB/64GB/128GB
Operating voltage	VCC: 2.7V~3.6V, VCCQ: 1.7V~1.95V or 2.7V~3.6V
Operating temperature	Consumer grade: 0°C~70°C
	Industrial grade: -40°C~85°C
Max transfer performance	Read 138MB/s, Write 48MB/s
Packaging	LFBGA153/LFBGA169



Mobile phone



Digital learning machine



Gaming machine



Tablet



GPS



Smart TV

PCIe

Interface	PCIe 3.0 & PCIe 2.0
Dimension	PCIe 3.0: 195.00mm × 96.00mm × 18.00mm
	PCIe 2.0: 190.00mm × 83.40mm × 20.00mm
Density	PCIe 3.0: 1TB/2TB/4TB
	PCIe 2.0: 128GB/256GB/512GB/768GB/1TB
Operating voltage	DC 12V (±5%)
Operating temperature	Consumer grade: 0°C~70°C
	Enterprise grade: -25°C~70°C
MTBF	2,000,000 Hours
Max transfer performance	PCIe 3.0: Read 4000MB/s, Write 2900MB/s
	PCIe 2.0: Read 2916MB/s, Write 2797MB/s



Server



Work station