



Contact Information

Avant Technology
828 New Meister Ln. Suite 300
Pflugerville, Texas 78660

Tel: 800.662.0297

Fax: 512.651.5251

www.avanttechnology.com

Avant PCIe SSD

The Avant PCI-Express SSD offers enterprise class performance and reliability in a consumer grade storage solution.

With up to 810Mb/s of write speeds, the Avant PCI-Express offers best in class transfer rates which are much higher than standard SATA III 6Gb/s drives. This high performance allows users to enjoy a much faster experience whether they are working on spreadsheets or video editing. With up to 100,000 IOPS, IT managers will appreciate how quickly this PCI-Express SSD can handle mail servers or other demanding data management requirements.

The Avant PCI-Express SSD is bootable in both Windows and Mac systems so everyone can enjoy the benefits of increased speed and reliability.

A robust ECC algorithm and RAISE™ technology protect the data. Efficient bad block management and reduced write amplification further bolster endurance. Drive health is monitored using an SSD-specific set of S.M.A.R.T. attributes. The combination of these techniques provides data protection unrivaled in the storage industry.

Reduced Power Requirements

- No moving parts
- Super-low operating and standby power needs
- Power requirements reduced over HD and HBA

Fast Performance

- Virtually zero spin up or seek times
- Zero rotational latency
- High sustained high-speed data transfers

Reliable

- No volatile memory elements
- Improved resistance to shock & vibration
- Predictable and manageable failure modes reduce IT costs

Improved Operation

- Noise and vibration free
- Lighter than conventional storage



Avant PCIe SSD - Technical Specifications

Features

For use as boot drive or as data storage

2 x SATA

Internal RAID 0, 1

Compatible with Windows XP 32/64, Vista 32/64, Windows 7 32/64

Capacity

120GB to 960GB

Host Interface

PCI-Express 2.0 Interface (x2)

Performance

Sequential Read: Up to 825MB/s

Sequential Write: Up to 810MB/s

Random write IOPS at 4K blocks: Up to 100,000

Flash Memory Support

Support MLC, eMLC and SLC

Power Consumption

<2W idle

<9W active

Reliability

MTBF: 1,500,000 hours

3 Year Limited Warranty

ECC: Up to 27 bytes correctable per 512-byte sector (BCH),

up to 12 9-bit symbols correctable

Environmental

Operating Temperature: 0 to 70 deg C

Storage Temperature: -45 to 85 deg C

Security

256-bit AES compliant Data Encryption

ATA password

Physical

Weight: <100g

| Part Number | Capacity | Read/Write Sequential | Parts |
|---------------|----------|-----------------------|-------------------|
| AVPCR2BB120M4 | 120GB | 825/800 | Carrier and flash |
| AVPCR2BB180M4 | 180GB | 825/800 | Carrier and flash |
| AVPCR2BB240M4 | 240GB | 825/800 | Carrier and flash |
| AVPCR2BB360M4 | 360GB | 825/800 | Carrier and flash |
| AVPCR2BB480M4 | 480GB | 825/800 | Carrier and flash |
| AVPCR2BB720M4 | 720GB | 825/800 | Carrier and flash |
| AVPCR2BB960M4 | 960GB | 800/700 | Carrier and flash |

