

OCZ Solid State Drives are customizable with a wide range of interfaces for enterprise applications

## Technology Brief : SSD Interfaces

OCZ recognizes that there are numerous interface standards in use in both consumer and commercial applications, and has the ability to tailor SSD (Solid State Drives) with a wide range of these interfaces. These include but are not limited to the following standards:

### SATA / II / III (SERIAL ATA) INTERFACE

Serial ATA is the next-generation internal storage protocol, designed to replace parallel ATA technology. The Serial ATA-1 standard supports up to 150MBytes/sec, SATA 2 300MBytes/sec and as SATA 3 600MBytes/sec. The SATA interface has been widely adopted and is utilized in both consumer and commercial/enterprise level applications.

**Availability:** Currently available with all OCZ SSD products

**Form Factors Available:** 2.5", 3.5", and proprietary available upon request

### FIBRE CHANNEL (FC) INTERFACE

Fibre Channel is a gigabit-speed interface primarily used for storage networking and as disk drive interconnects. Though first utilized in the supercomputing field Fibre Channel has now become the primary interface of choice for storage area networks (SAN), Fibre Channel is also the most popular enterprise-class drive interface because of its dual-port features and enriched command set. Fibre Channel runs the SCSI protocol. Fibre channel offers high performance, low latency, and superior reliability making it a popular choice for deployment into data centers.

**Applications:** Enterprise storage , networking and communications

**Availability:** FC interface is available on all OCZ drives on a build to order basis.

**Form Factors Available:** 2.5", 3.5", and proprietary available upon request

## SERIAL ATTACHED SCSI (SAS) INTERFACE

Serial Attached SCSI (SAS) is the new standard which was introduced by the SCSI Trade Association to meet the ever-demanding needs of enterprise storage for high performance, high reliability and high manageability. Key end-user benefits of the standard include enterprise class robustness, investment protection in compatible SCSI software and middleware, and the choice of direct-attach storage devices (SAS or SATA). Since SAS is based on the foundation of the industry-leading SCSI specification it will satisfy users needs for continuity in mission-critical applications.

**Applications:** Enterprise storage , Networking and communications

**Availability:** SAS interface is available on all OCZ drives on a build to order basis.

**Form Factors Available:** 2.5", 3.5", and proprietary available upon request

## IDE (PARALLEL ATA) INTERFACE

The IDE/ATA interface has long been the most popular storage media connection. As the digital world has migrated to serial interfaces, so goes the ATA interface rapidly being replaced by the higher speed Serial ATA (SATA). However, many legacy designs still call for ATA storage. OCZ is committed to providing new, evolving, and high-performance solid state drive designs based on the ATA interface.

**Availability:** OCZ currently stocks drives with parallel ATA interface, and any drive in the lineup can be customized on a build to order basis with this interface

**Form Factors Available:** 1.8", 2.5", 3.5" and proprietary available upon request

## IDE (PARALLEL ATA) over mini PCIe

Mini PCIe (PCI Express Mini Card) is a replacement for the original Mini PCI from factor based on PCI Express. Typically the host device supports both PCI Express and USB 2.0 connectivity, and most laptop computers and netbooks built 2006 and beyond are based on PCI Express and can support the Mini PCIe interface.

**Availability:** OCZ currently stocks products with this interface, design in services are also available

**Applications:** netbook/ UMPC/ Smart book

**Form Factor Available:** 1.8"