



TRUESSD[®] **HFD18P**

Flash Data Storage

Speed • Reliability • Security

The HFD18P series - is a non-volatile solid state disk that incorporates Hagiwara Sys-Com's proprietary TRUESSD® controller. The TRUESSD® controller, in conjunction with on-board SDRAM, utilizes an advanced segmented cache algorithm that reduces command overhead and enhances throughput from cache memory to NAND flash.

The TRUESSD® controller also provides advanced ECC On-The-Fly real-time error correction without sacrifice to performance. The TRUESSD® controller supports device health monitoring utilizing S.M.A.R.T. (Self Monitoring and Report Technology) commands.

Speed

- Multi-channel operation - Simultaneous access to NAND flash chips to accelerate read/write performance
- Advanced ECC On-The-Fly - Real time error correction provides users with data reliability without sacrifice to performance
- Intelligent Cache Algorithm - Multi-Segment Cache reduces host command overhead and enhances throughput from cache memory to NAND flash

Reliability

- Enhanced Data Reliability - Independent ECC decoder/encoder for each memory channel
- Enhanced S.M.A.R.T. monitoring

Security

- Secure Erase (Fast Erase / Purge)
- Write Protection

TRUESSD® Real-Time S.M.A.R.T. Monitoring

Hagiwara proprietary DLL provides users with the ability to monitor and measure the drive health of the HFD device in real time through Windows-based applications.

TRUESSD® SSD Service-Life Assessment Service

Aimed to help companies determine SSD integration aptitude, the service provides insight into the potential service-life of the device based on actual drive usage.

Series Name	HFD18P-xxxGT
Form Factor	1.8-inch ZIF
Host Interface	UDMA 0-5 MWDMA 0-2 PIO 0-4
Capacity	4GB - 32GB
Sustained Transfer Rate (max)	Read: 66MB/s Write: 55MB/s
Temp. Range	-40°C to +85°C
Features	TRUESSD® SMART Partition Based Write Protect Password Lock Secure Erase (Fast Erase / Purge)