

PRESS RELEASE

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SSD adds Ethernet back-up and restore capability to its SCSI-Flash replacement drives for SCSI-based storage systems on legacy computer equipment

Reading, UK – 23rd March 2015. Solid State Disks Ltd, the computer storage systems design, development and integration specialist, has announced a new, Ethernet-based back-up and restore capability for its family of Compact Flash (CF) 3.5" SCSI 50-Pin Narrow solid-state drives, providing further storage future-proofing for critical legacy computer applications that otherwise have plenty of life left in them.



The 3.5" SCSI 50-Pin Narrow CF drive is targeted at a range of computer-based legacy applications where critical SCSI-based storage drives are becoming more and more difficult to repair or replace as they increasingly age and fail. As a direct, drop-in replacement, SCSI-Flash provides an up-to-date, high-reliability, solid-state and low-cost solution to the problem. SCSI-Flash targets a broad spectrum of industries and markets including telecommunications, semiconductor manufacturing, industrial process control, engineering and manufacturing, oil and gas, power generation, mil/aero, flight simulation and post-production applications.

The new SCSI-Flash back-up and restore capability enables vital data back-ups to be made as a complete disk image of its CompactFlash card at any given point in time and transferred via an Ethernet network to be stored remotely from the legacy equipment and restored as and if needed. Universal TCP is used for disk image transfers with remote execution of back-up and restore configuration operations controlled by user API or via a web browser and auto-online implemented on back-up completion.

The SCSI-Flash Ethernet back-up and restore capability generates considerable savings in time and expense in the face of process outages. In semiconductor manufacturing, for example, process outages can cost in excess of \$1,000/\$100,000 per hour/day. In the telecommunications industry they may incur considerable fines.

The Compact Flash (CF) SCSI-Flash Ethernet back-up and restore capability can also be used to replace traditional manual rotation of media with remote download of manufacturing files so that, for example, a CNC machine knows what program to run for a particular session or a semiconductor fab which recipe to use.

SCSI-Flash is a completely programmable replacement solution, enabling the SCSI device implementation nuances of all equipment manufacturers to be fully emulated. The 3.5" SCSI 50-Pin Narrow drive combines proven SCSI drive architectures (SASI, SCSI-1, SCSI-2) with industry-standard, solid state CompactFlash card technology to provide a high-reliability, solid state replacement for any style of SCSI-based drive including hard disk, magneto optical, tape and floppy drives. The SCSI-Flash drive supports CompactFlash cards up to 256GB and utilizes a 3.5 inch form factor (or larger 5.25 inch form factor). It is available in two package types either with or without an externally removable card. Sector sizes available are 256, 512, 768, 1024 and 2048 bytes per sector.

"The Ethernet back-up and restore facility adds an important new capability to SCSI-Flash which has been developed in response to the demand from customers," said James Hilken, Sales Director of Solid State Disks Ltd. "There are plenty of critical legacy systems in a variety of industry that are potentially nearing end-of-life simply because their storage devices are becoming too difficult to repair or replace as they age and fail. SCSI-Flash provides a low-cost solution to this. The new Ethernet back-up and restore capability gives the added benefit of being able take snapshots of the data and keep it offline from the legacy equipment with the option

SSD003 / SSD adds Ethernet back-up and restore capability to its SCSI-Flash replacement drives for SCSI-based storage systems on legacy computer equipment

to restore at a later date, if necessary.”

Key market examples

Legacy telecommunications host systems include: Siemens EWSD V.9, Nokia DX, Alcatel 5ESS, Alcatel Lucent DACSIII/DACSIV, Lucent 1631, Ericsson AXE, Ericsson AXE10 AXE IOG-10, AXE IOG-11, AXE IOG-20, Nortel DMS10, NEC NEAX SIGMA 61E, NEC NEAX SIGMA, NEC NEAX 61BR, NEC NEAX 61S Alcatel Lucent S12, Alcatel Lucent 1631, Alcatel Lucent 1671SC, Alcatel Lucent 1000 E10 OCB283 and 1000 MM E10, LUCENT 1671SC, ALCATEL DEX 600E MEGAHUB, Fujitsu Fetex 150, Telebras Tropico, Stromberg-Carlson DCO, NTT, ITT, North Electric, ROLM and Sagem.

Legacy semiconductor manufacturing hosts systems include: HP1000, HP9000, HP UNIX HPUX9, HPUX10, AMAT (Applied Materials) P5000 / P5200, P5500, RTP, Endura, Centura, Canon FPS-3000, Canon FPS-5000, Canon B2000 / B2600, TSK, CANON FTP3000/5000, HP 500 UNIX, HP 715, HP9000 / 712, Tokyo Electron, VARIAN 180XP, FSI POLARIS P2000/P2100, TEL-FSI STAUBLI CS7, ABB ADVANT STATION 500 SERIES, RUDOLPH METAPULSE 200C, TEL, LAM RESEARCH (CLASSIC, ENVISION) KLA, ASM EPI, KS, and DISCO.

Legacy industrial process control host systems include: IRMX86, HP1000A, HP9000, 12016A, VAX, uVAX using RWZ01, RZ23, RZ28, RZ29 SCSI drives, Rosemount RS3, Honeywell Measurex TDC 2000 / TDC 3000 universal station on MX open and VX works, Thor VX8 & VX9, WDA History Module, Honeywell SBHM (Single Board History Module).

Legacy engineering and manufacturing hosts systems include: IRMX86, HP1000A, HP9000, 12016A, DEC VAX, Storageworks, uVAX using RWZ01, RZ23, RZ28, RZ29 SCSI Drives, VAX 4000, VAX 4000/ 60, , VAX 4000-90A Rosemount RS3, Unipro90, Honeywell Measurex TDC 2000 / TDC 3000 universal station on MX open and VX works MICROVAX 3100-90, MOTOROLA MV172, MOTOROLA VME162-513A

Power generation hosts systems include: HP1000A, HP9000, 12016A, DEC VAX, uVAX using RWZ01, RZ23, RZ28, RZ29 SCSI HDD HONEYWELL DL900 and Rosemount RS3.

Legacy oil and gas production host systems include: IRMX86, HP1000A, HP9000, 12016A, VAX, uVAX using RWZ01, RZ23, RZ28, RZ29 SCSI Drives, Rosemount RS3, Honeywell Measurex TDC 2000 / TDC 3000 universal station on MX open and VX works.

Legacy mil/aero equipment host systems include: Miltope, Thompson CSF, Dutch Signaal, OMTI, Solaris SUN SPARC/CPU-8VT, Iomega Bernoulli, BERING OPTICAL 7698N, FERRANTI ARGUS 700, GLENAYRE GL300, HARRIS 100 VULCAN O/S, HARRIS 4822 NIGHTHAWK 1000/4000, HARRIS NIGHT HAWK (5800) VME, SUNOS 4.1.4 AND SOLARIS 7, IBM AS400 and RS6000. Examples of legacy simulator hosts systems include: Encore, Gould, 320 C2000 sim and Evans & Sutherland. Customers include European Skybus CAE, British Airways, McDonald Douglas, Thales and Sofia Flight.

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About Solid State Disks

Solid State Disks Ltd (SSD) is the industrial division of the Reactive Group. Headquartered in the United Kingdom, the company operates worldwide specialising in the design, development and integration of advanced storage systems for mil/aero, commercial and industrial applications as well as the distribution of solid state Flash memory technologies. For further information, please visit: www.solidstatedisks.co.uk

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