

Data Sheet

Fusion-io® ioDrive®2 Solid-State Storage devices

Accelerate the performance of I/O intensive applications and workloads

ioDrive®2 Solid-State Storage devices

The ioDrive®2 storage devices from Fusion-io® are parts of Fujitsu's wide solid state storage portfolio. This storage devices are targeted for customer scenarios and workloads requiring high transaction rates and real-time data access that will benefit from application performance enhancement. With performance comparable to DRAM and storage capacity on par with hard disks, Fusion-io® ioDrive®2 storage devices increases performance so that every server can contain internal storage that exceeds the I/O performance of an enterprise SAN environment. As an I/O card, the Fusion-io® ioDrive®2 storage devices are not a typical SSD drive, because it is attached directly on the PCI Express slot of the server and offers extremely low latency and high bandwidth. The card is also developed to provide high I/O operations per second and almost symmetrical read / write performance. The ioDrive®2 storage device is available in a standard low-profile PCIe form factor for PRIMERGY RX200, RX300, RX350, RX500, RX600 and RX900 rack servers as well as PRIMERGY TX300 tower server. (ioDrive is a registered trademark of Fusion-io)



Main Features	Benefits
<ul style="list-style-type: none"> ■ Superior IO performance (275,000 Read IOPS / 800,000 Write IOPS), high read (up to 1.5 GB/s) and write (up to 1.3 GB/s) performance. ■ 365GB, 785GB and 1.2TB capacity with Multi Level Cell (MLC) technology in a low profile PCIe form factor with full height (FH) and low profile (LP) bracket. ■ Very low latency access to data which is ideal suited in use cases such as fast access to database log-files and reports, hypervisor running a large number of virtual machines or virtual desktop infrastructure solution. ■ NAND technology with multi-level cell (MLC) flash memory to store data. 	<ul style="list-style-type: none"> ■ Minimized application latency to deliver groundbreaking improvements to computing performance, while greatly reducing hardware infrastructure, maintenance and floor space. ■ Advanced storage device using solid state storage technology directly on the PCI bus, assuring high read and write data rates. ■ Positive impact on business results and the ability to make decisions quickly, resulting in significant cost and time savings. ■ PRIMERGY with ioDrive®2 storage devices provides faster performance and higher reliability than standard hard disk drives with rapid response in scenarios where output is needed in seconds or less.

Technical details

Technical details

Technology	PCIe-SSD Flash Drive
Form factor	Low Profile PCIe with Full Height (FH) and Low Profile (LP) bracket
Bus type	PCIe 2.0
NAND Type	MLC (Multi Level Cell)
Supported systems	PRIMERGY RX200 S7 / S8, PRIMERGY RX300 S7 / S8, PRIMERGY RX350 S8, PRIMERGY RX500 S7, PRIMERGY RX600 S6, PRIMERGY RX900 S2, PRIMERGY TX300 S8
Max. number per system unit	1x in RX200 S7 / S8 2x in RX300 S7 / S8 4x in RX350 S8 2x in RX500 S7 (365GB not released) 4x in RX600 S6 4x in RX900 S2 (365GB not released) 4x in TX300 S8

Environment

Temperature (operating)	0 - 55 °C
Storage temperature	-40 - 70 °C
Operating relative humidity	5 - 95 %

Compliance

Europe	CE EN 55022 EN 55024 EN 61000-3-2 JEIDA EN 61000-3-3
USA/Canada	CFR47, part 15 subpart B, classA ICES-003 / NMB-003 Class A
Global	RoHS
Japan	VCCI
South Korea	KCC (KN22, KN24)
Australia/New Zealand	C-Tick (AS / NZS CISPR 22 Class A)
Taiwan	BSMI
Compliance notes	According to the corresponding system
Compliance link	https://sp.ts.fujitsu.com/sites/certificates

More information

Fujitsu platform solutions

In addition to Fujitsu with ioDrive®2 Solid-State Storage devices, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

Dynamic Infrastructures

With the Fujitsu Dynamic Infrastructures approach, Fujitsu offers a full portfolio of IT products, solutions and services, ranging from clients to datacenter solutions, Managed Infrastructure and Infrastructure as-a-Service. How much you benefit from Fujitsu technologies and services depends on the level of cooperation you choose. This takes IT flexibility and efficiency to the next level.

Computing Products

www.fujitsu.com/global/products/computing/

Software

www.fujitsu.com/software/

More information

Learn more about Fujitsu with ioDrive®2 Solid-State Storage devices, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
<http://ts.fujitsu.com/Primergy>

Fujitsu green policy innovation

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Contact

FUJITSU LIMITED
Mies-van-der-Rohe-Straße 8
80807 München
Germany
Website: www.ts.fujitsu.com
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