

# Data Sheet

## SanDisk PCIe-SSD Fusion ioMemory™ PX600 series

Ultra-low latency and high performance for real-time business data access

### PCIe-SSD Fusion ioMemory™ PX600 series

The SanDisk PCIe-SSD Fusion ioMemory PX600 devices are part of Fujitsu's wide solid state storage portfolio. The Fusion ioMemory PX600 PCIe-SSD provides a cost-effective solution for mixed-use application workloads that include: virtualization, virtual desktop infrastructure, databases, business intelligence and real-time data processing. By leveraging the significant performance improvements the Fusion ioMemory PX600 PCIe-SSD provides over traditional hard disk drive infrastructures, customers can reduce infrastructure, increase the number of virtual machines, and improve overall system efficiency. These improvements provide savings in capital expenditure and operating expenditure, which include reduced application licensing fees and savings related to space, cooling costs, and energy use.

As an I/O card, the PCIe-SSD Fusion ioMemory PX600 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 PCIe-SSD Fusion ioMemory PX600 storage device is available in a standard low-profile PCIe form factor for PRIMERGY RX2530 M1/M2, RX2540 M1/M2,

RX2560 M1/M2, TX2560 M1/M2 and RX4770 M2 rack servers.



### Main Features

- Superior IO performance (up to 350,000 Read IOPS / up to 385,000 Write IOPS), high read (up to 2.7 GB/s) and write (up to 2.2 GB/s) performance.
- 1.3TB, 2.6TB and 5.2TB 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.

### Benefits

- 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. As well as doubled performance to the previous ioDrive®2 PCIe card.
- Positive impact on business results and the ability to make decisions quickly, resulting in significant cost and time savings.
- PRIMERGY with SanDisk PCIe-SSD Fusion ioMemory PX600 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

<b>Technology</b>	PCIe-SSD
<b>Form factor</b>	Low Profile PCIe with Full Height (FH) and Low Profile (LP) bracket
<b>Bus interface</b>	PCIe 2.0 x8
<b>Bus type</b>	PCIe 2.0
<b>Max. number per system unit</b>	1x in PRIMERGY RX2530 M1 / M2 4x in PRIMERGY RX2540 M1 / M2 (4x 1.3TB/2.6TB, 2x 5.2TB) 4x in PRIMERGY RX/TX2560 M1 / M2 4x in PRIMERGY RX4770 M2

## Environment

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

## Compliance

<b>Europe</b>	CE EN 55022 EN 55024 EN 61000-3-2 JEIDA EN 61000-3-3
<b>USA/Canada</b>	FCC (depending on configuration)
<b>Global</b>	RoHS
<b>Japan</b>	VCCI
<b>Australia/New Zealand</b>	C-Tick (AS / NZS CISPR 22 Class A)
<b>Taiwan</b>	BSMI
<b>Compliance notes</b>	According to the corresponding system
<b>Compliance link</b>	<a href="https://sp.ts.fujitsu.com/sites/certificates">https://sp.ts.fujitsu.com/sites/certificates</a>

# More information

## Fujitsu platform solutions

In addition to Fujitsu with PCIe-SSD Fusion ioMemory™ PX600 series, 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/](http://www.fujitsu.com/global/products/computing/)

### Software

[www.fujitsu.com/software/](http://www.fujitsu.com/software/)

## More information

Learn more about Fujitsu with PCIe-SSD Fusion ioMemory™ PX600 series, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.  
<http://ts.fujitsu.com/Primergy>

## Fujitsu green policy innovation

## Copyrights

All rights reserved, including intellectual property rights. Changes to technical data reserved. Delivery subject to availability. Any liability that the data and illustrations are complete, actual or correct is excluded. Designations may be trademarks and/or copyrights of the respective manufacturer, the use of which by third parties for their own purposes may infringe the rights of such owner.  
For further information see [http://ts.fujitsu.com/terms\\_of\\_use.html](http://ts.fujitsu.com/terms_of_use.html)  
Copyright © Fujitsu Technology Solutions

## Disclaimer

Technical data are subject to modification and delivery subject to availability. Any liability that the data and illustrations are complete, actual or correct is excluded. Designations may be trademarks and/or copyrights of the respective manufacturer, the use of which by third parties for their own purposes may infringe the rights of such owner

## Contact

FUJITSU LIMITED  
Mies-van-der-Rohe-Straße 8  
80807 München  
Germany  
Website: [www.ts.fujitsu.com](http://www.ts.fujitsu.com)  
2018-12-18 CE-EN

All rights reserved, including intellectual property rights. Changes to technical data reserved. Delivery subject to availability. Any liability that the data and illustrations are complete, actual or correct is excluded. Designations may be trademarks and/or copyrights of the respective manufacturer, the use of which by third parties for their own purposes may infringe the rights of such owner.  
For further information see [http://ts.fujitsu.com/terms\\_of\\_use.html](http://ts.fujitsu.com/terms_of_use.html)  
Copyright © Fujitsu Technology Solutions