

Lenovo Intel Optane P4800X Performance

Solid state drive - 375 GB - hot-swap - 2.5" - U.2 PCIe 3.0 x4 (NVMe) - for ThinkAgile VX Certified Node 7Y94 - 7Z12; ThinkAgile VX3320 Appliance; VX7820 Appliance

Group	HDDs
Manufacturer	Lenovo
Manufacturer item no.	7N47A00081
EAN/UPC	0889488454488



Description

The ThinkSystem U.2 Intel P4800X Performance NVMe PCIe SSD is the ultimate in high performance solid state drives with ultra-low latency, very high bandwidth, and an endurance of 30 drive writes per day (DWPD), making this drive an excellent storage choice for write-intensive high-performance workloads. The Intel P4800X SSD is a member of the Intel Optane family of data center solid state devices that are based on Intel-developed 3D XPoint memory, controller, interconnect technology and firmware, all providing significant gains in reducing latency and accelerating systems for workloads demanding large capacity and fast storage.

Main features

Product Description	Intel Optane P4800X Performance - solid state drive - 375 GB - U.2 PCIe 3.0 x4 (NVMe)
Type	Solid state drive - hot-swap
Capacity	375 GB
Form Factor	2.5"
Interface	U.2 PCIe 3.0 x4 (NVMe)
Features	Enhanced Power Loss Data Protection, Thermal throttling, End-to-end data path protection, End-to-end data protection, S.M.A.R.T.
Dimensions (WxDxH)	70 mm x 100 mm x 15 mm
Designed For	ThinkAgile VX 2U Certified Node (2.5"); 2U4N Certified Node (2.5"); ThinkAgile VX Certified Node 7Y94 (2.5"), 7Z12 (2.5"); ThinkAgile VX3320 Appliance 7Y93 (2.5"); VX3720 Appliance 7Y92 (2.5"); VX7520 Appliance 7Y94 (2.5"); VX7820 Appliance 7Z13 (2.5"); ThinkSystem SD530 (2.5"); SN550 (2.5"); SN850 (2.5"); SR630 (2.5"); SR650 (2.5"); SR850 (2.5"); SR860 (2.5"); SR950 (2.5")

Extended details

General	
Device Type	Solid state drive - hot-swap
Capacity	375 GB
Form Factor	2.5"
Interface	U.2 PCIe 3.0 x4 (NVMe)
Features	Enhanced Power Loss Data Protection, Thermal throttling, End-to-end data path protection, End-to-end data protection, S.M.A.R.T.

Width	70 mm
Depth	100 mm
Height	15 mm
Performance	
Drive Writes Per Day (DWPD)	30
SSD Endurance	20.5 PB
Internal Data Rate	2.5 GBps (read) / 2.2 GBps (write)
4KB Random Read	550000 IOPS
4KB Random Write	550000 IOPS
Average Latency	10 µs
Reliability	
MTBF	2,000,000 hours
Non-Recoverable Errors	1 per 10 ¹⁷
Expansion & Connectivity	
Interfaces	1 x PCI Express 3.0 x4 (NVMe) - U.2 (SFF-8639)
Compatible Bay	2.5"
Power	
Power Consumption	8 Watt (read) 13 Watt (write)
Software & System Requirements	
OS Required	Red Hat Enterprise Linux 6 x64 Edition, SuSE Linux Enterprise Server 11 x64 Edition, Microsoft Windows Server 2012 R2, Red Hat Enterprise Linux 7, SuSE Linux Enterprise Server 12, Microsoft Windows Server 2016, VMware ESXi 6.0, VMware ESXi 6.5
Miscellaneous	
Compliant Standards	CSA, UL, C-Tick, BSMI CNS 13438, EN 60950-1 Second Edition, RoHS 2011/65/EU, LVD 2006/95/EC, EN55022:2006, WEEE 2002/96/EC, EN55024:1998, CAN/CSA-CEI/IEC CISPR 22:02, FCC CFR47 Part 15 B Class B, AS/NZS 3584, KCC Article 11.1
Manufacturer Warranty	
Service & Support	Limited warranty - replacement - 1 year
Environmental Parameters	
Min Operating Temperature	0 °C
Max Operating Temperature	35 °C
Humidity Range Operating	5 - 95% (non-condensing)
Shock Tolerance (operating)	1000 g @ 0.5 ms
Vibration Tolerance (operating)	2.17 g @ 5-700 Hz
Compatibility Information	

Designed For

Lenovo ThinkAgile VX 2U Certified Node (2.5") | Lenovo ThinkAgile VX 2U4N Certified Node (2.5") | Lenovo ThinkAgile VX Certified Node 7Y94 (2.5"), 7Z12 (2.5") | Lenovo ThinkAgile VX3320 Appliance 7Y93 (2.5") | Lenovo ThinkAgile VX3720 Appliance 7Y92 (2.5") | Lenovo ThinkAgile VX7520 Appliance 7Y94 (2.5") | Lenovo ThinkAgile VX7820 Appliance 7Z13 (2.5") | Lenovo ThinkSystem SD530 (2.5") | Lenovo ThinkSystem SN550 (2.5") | Lenovo ThinkSystem SN850 (2.5") | Lenovo ThinkSystem SR630 (2.5") | Lenovo ThinkSystem SR650 (2.5") | Lenovo ThinkSystem SR850 (2.5") | Lenovo ThinkSystem SR860 (2.5") | Lenovo ThinkSystem SR950 (2.5")

Technical data © 1WorldSync. Subject to technical modifications and errors.