

Lenovo ThinkSystem 940-16i - storage controller (RAID) - SATA / SAS 12Gb/s - PCIe 4.0 x8



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SKU	4Y37A78600
Product Description:	Lenovo ThinkSystem 940-16i - storage controller (RAID) - SATA / SAS 12Gb/s - PCIe 4.0 x8
Device Type:	Storage controller (RAID) - plug-in card - low profile
Bus Type:	PCIe 4.0 x8
Interface:	SATA / SAS 12Gb/s
Data Transfer Rate:	12 Gbit/s
Buffer Size:	4 GB
Supported Devices:	Hard drive, disk array (RAID), solid state drive



General

Device Type:	Storage controller (RAID) - plug-in card - low profile
Host Bus:	PCIe 4.0 x8

Storage Controller

Interface:	SATA / SAS 12Gb/s
Data Transfer Rate:	12 Gbit/s
Buffer Size:	4 GB
Supported Devices:	Hard drive, disk array (RAID), solid state drive
Channel Qty:	16
Max Storage Devices Qty:	16
RAID Level:	RAID 0, RAID 1, RAID 5, RAID 6, RAID 10, RAID 50, JBOD, RAID 60
Processor:	Broadcom SAS3916

Expansion / Connectivity

Interfaces:	SAS 12Gb/s (internal)
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Compatibility Information

Designed For:	Lenovo ThinkSystem SR250 7Y51 Lenovo
	ThinkSystem SR530 7X08 Lenovo
	ThinkSystem SR590 7X99 Lenovo
	ThinkSystem SR630 7X02 Lenovo
	ThinkSystem SR630 V2 7Z70, 7Z71 Lenovo
	ThinkSystem SR635 7Y98, 7Y99 Lenovo
	ThinkSystem SR645 7D2X, 7D2Y Lenovo
	ThinkSystem SR650 7X06 Lenovo
	ThinkSystem SR650 V2 7D15, 7Z72, 7Z73
	Lenovo ThinkSystem SR655 7Y00, 7Z01
	Lenovo ThinkSystem SR665 7D2V, 7D2W
	Lenovo ThinkSystem SR850 V2 7D31, 7D32
	Lenovo ThinkSystem SR860 V2 7Z59, 7Z60
	Lenovo ThinkSystem SR950 7X11, 7X12
	Lenovo ThinkSystem ST250 7Y45, 7Y46
	Lenovo ThinkSystem ST550 7X10 Lenovo
ThinkSystem ST650 V2 7Z74	

Environmental Parameters

Min Operating Temperature:	10 °C
Max Operating Temperature:	55 °C
Humidity Range Operating:	20 - 80% (non-condensing)

Manufacturer Warranty

Service & Support:	Limited warranty - 1 year
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Miscellaneous

Features:	Online Capacity Expansion (OCE), Online RAID Level Migration (RLM), SecureBoot, CacheVault flash cache protection, S.M.A.R.T. support, Self-Encrypting Drive (SED) support, FastPath, SafeStore, consistency check, fast initialisation, Patrol Read
Compliant Standards:	EN55022, EN55024, ICES-003 Class B, RoHS, WEEE, FCC CFR47 Part 15 B, VCCI V-3, AS/NZS CISPR 22, CNS 13438, IEC/UL 60950

