Cluster Challenge - 19307927.3

General
Solution Created 8/1/2024 by gregg huff
Version Last Modified 8/1/2024 by gregg huff

Components

PowerEdge R760XA - [amer_r760xa_16902_vi_vp]	Category: Server		Quantity: 3

Group Name: **Group 1**
Group ID: **19307927.3.1**

Product Name	Qty	Option ID	SKUs
Base			
PowerEdge R760XA Server	1	GEVL8I7	[210-BGRR]
Trusted Platform Module			
Trusted Platform Module 2.0 V3	1	GGX1VDO	[461-AAIG]
Chassis Configuration			
2.5" Chassis with up to 8 NVMe HWRAID Drives, Front PERC 11	1	GO5YZ67	[321-BJKD]
Processor			
Intel® Xeon® Platinum 8580 2G, 60C/120T, 20GT/s, 300M Cache, Turbo, HT (350W) DDR5-5600	1	G0Z9G24	[338-CPCG]
Additional Processor			
Intel® Xeon® Platinum 8580 2G, 60C/120T, 20GT/s, 300M Cache, Turbo, HT (350W) DDR5-5600	1	GNSU2E0	[338-CPCG] [379-BDCO]
Processor Thermal Config			
Heatsink for 2 CPU Configuration with OCP	1	GZ54VFA	[412-BBCP]
Memory Configuration			
Performance Optimized	1	GH9QBEI	[370-AAIP]
Memory DIMM Type and Speed			
5600MT/s RDIMMs	1	GYMX57Q	[370-BBRX]
Memory Capacity			
64GB RDIMM, 5600MT/s, Dual Rank	32	G43G1UP	[370-BBRN]
RAID Configuration			
C31, No RAID with NVMe and front PERC	1	G6XZNR9	[379-BEGI]
RAID/Internal Storage Controllers			
Front PERC H755N Rear Load	1	G5IGLCM	[405-AAZE] [750-ADWP]
Hard Drives			
No Hard Drive	1	GZ4G6T3	[400-ABHL]
Hard Drives (NVME)			
7.68TB Data Center NVMe Read Intensive AG Drive U2 Gen4 with carrier	1	GOM0VWA	[345-BJNW]
Power Management BIOS Settings			
Performance BIOS Setting	1	GJO594B	[384-BBBL]
Advanced System Configurations			
UEFI BIOS Boot Mode with GPT Partition	1	GSFTG4Y	[800-BBDM]
Advanced System Configurations			
No Energy Star	1	G9IONL3	[387-BBEY]
Fans			
Gen 2 Fan	1	GUAQJ0D	[750-BBCC]
Power Supply			
Dual, Non-Redundant (2+0), Hot-Plug Power Supply, 2400W MM	1	GX28BZI	[450-AKVF]

Power Cords

C19-C14, PDU Style Adapter, 250V, Power Cord, 10ft, 3m	2	GPMZ6HT	[450-AKUX]

PCIe Riser

Riser Config 0, 4x16 FH Slots (Gen5), 4x16 FH DW GPU Capable Slots (Gen5), with Bridge Board	1	G97F0NI	[330-BCFX]

Motherboard

R760XA Motherboard, MLK	1	G1SFA5B	[329-BKCK]

Embedded Systems Management (Multi)

iDRAC9 Datacenter 16G with OpenManage Enterprise Advanced Plus	1	G49EVUG	[528-CTID] [528-CTZH]

Embedded Systems Management (Multi)

Server Secured Component Verification	1	G9X14RE	[528-COYT]

OCP 3.0 Network Adapters

Nvidia ConnectX-6 Lx Dual Port 10/25GbE SFP28, No Crypto, OCP NIC 3.0	1	G0V3GIZ	[540-BDJL]

Additional Network Cards

Broadcom 5720 Dual Port 1GbE LOM	1	GY8XSA9	[540-BDKD]

Additional Network Cards

Nvidia ConnectX-7 Single Port NDR OSFP PCIe, No Crypto, Full Height	4	G67U5C3	[540-BDNQ]

GPU Acceleration Cards

GPU Filler for Intel and NVIDIA GPUs	1	GQB1G7R	[321-BKQT]

GPU Acceleration Cards

NVIDIA H100 NVL, PCIe, 350W-400W, 94GB Passive, Double Wide, Full Height GPU	4	GD9FIYK	[490-BKLJ]

Bezel

PowerEdge 2U LCD Bezel	1	GLWQH7O	[325-BFCF] [350-BCML]

Boot Optimized Storage Cards

BOSS-N1 controller card + with 2 M.2 480GB (RAID 1)	1	GM7LED1	[403-BCRU] [470-BBCD]

Quick Sync

No Quick Sync	1	G9UKP7B	[350-BCMN]

Password

iDRAC,Legacy Password	1	GDOHU23	[379-BCSG]

iDRAC Server Manager

iDRAC Service Module (ISM), NOT Installed	1	GX95LG2	[379-BCQX]

Group Manager

iDRAC Group Manager, Disabled	1	GTVA94K	[379-BCQY]

GPU/FPGA/Acceleration Cables

GPU Factory Installed CEM Cable for DW + 6x NVLINK Bridge + 0 GPU Blanks (4 GPUs)	1	GNZ0JXQ	[470-BCBW] [470-BCBX] [490-BJLJ] [490-BJLJ] [750-BBCZ] [750-BBDB]

Operating System

No Operating System	1	G78MU35	[611-BBBF]

OS Media Kits

No Media Required	1	GKH7AZI	[605-BBFN]

Rack Rails

ReadyRails™ Sliding Rails Without Cable Management Arm	1	G1X6CK9	[770-BFCF]

Server Accessories

BOSS Shroud	1	GKBOVR0	[330-BCLL]

System Documentation

No Systems Documentation, No OpenManage DVD Kit	1	GVRYSM7	[631-AACK]

SHIPPING

PowerEdge R760XA Shipping	1	GKY1I8M	[340-DGLL]

Shipping Material

PowerEdge R760XA Shipping Material	1	GJTC917	[340-DKSH]

Regulatory

PowerEdge R760XA No CCC, No CE, and No BIS Marking	1	G4VYGUW	[343-BBYF]

Acceleration Cards Cables

No DPUs Cable Required, No DPU	1	GV6CUGB	[470-AEYU]

ECCN

Decline Selection	1	GRO1P6G	[817-BBBP]

Service

Basic Next Business Day 36 Months, 36 Month(s)	1	GH1DGNF	[709-BBFN]

Extended Service

ProSupport and Next Business Day Onsite Service, 36 Month(s)	1	G4IVZ9O	[865-BBMY]

Infrastructure Deployment Svcs

No Field Deployment Customer Install Required	1	GMZGA07	[883-BBFN]

Differential Discounting - Deployment Services

Infrastructure Deployment Selected	1	GKVH3QP	[701-6538]

NVIDIA QM9700 InfiniBand Switch	Category: Server	Quantity: 1
Group Name: **Group 1** Group ID: **19307927.3.1**		
NVIDIA Enterprise Business Standard Support - 3 Year - Service	Category: Server	Quantity: 1
Group Name: **Group 1** Group ID: **19307927.3.1**		
NVIDIA passive Copper cable, IB twin port NDR, up to 800Gb/s, OSFP, 2m	Category: Server	Quantity: 12
Group Name: **Group 1** Group ID: **19307927.3.1**		
APC by Schneider Electric NetShelter SX, Server Rack Enclosure, 24U, Black, 1198.5H x 600W x 1070D mm	Category: Server	Quantity: 1
Group Name: **Group 1** Group ID: **19307927.3.1**		
Dell 1U KVM/KMM console - 18.5in - adjustable monitor - KVM Switch DMPU108E, KVM Bracket bundle	Category: Server	Quantity: 1
Group Name: **Group 1** Group ID: **19307927.3.1**		
PowerSwitch S5212-ON - [dell_networking_s5212-on]	Category: EthernetRackSwitch	Quantity: 1
Group Name: **Group 1** Group ID: **19307927.3.1**		

Product Name	Qty	Option ID	SKUs
Dell EMC S5212F-ON			
Dell EMC S5212F-ON Switch, 12x 25GbE SFP28, 3x 100GbE QSFP28 ports, IO to PSU air, 2x PSU	1	G7SNG28	[210-APHW] [343-BBRX]
System Documentation			

S52XX User Manual	1	GC1XFY3 [343-BBLP]

Operating System

OS10 Enterprise,S5212F-ON	1	GEZY72H [634-BRXD]

25/40/100G Cables with Embedded Optics

Dell Networking Cable, 100GbE, QSFP28 to QSFP28, Passive Copper Direct Attach, 2 Meter	1	G1KMJEI [470-ABOW]

SFP+ 10GbE and SFP28 25GbE Direct Attach Cables

Dell Networking, Cable, SFP28 to SFP28, 25GbE, Active Optical Cable, 2 Meter	3	GJW8OMG [470-AECW]

Power Cords

Power Cord, 125V, 15A, 10 Feet, NEMA 5-15/C13 QTY 2	1	GH7QJUS [450-AAFH] [450-AAFH]

Tandem Tray

Dell NW Dual Tray, 4-post, S5212F-ON	1	G1KDTSZ [770-BDGQ]

Infrastructure Deployment Svcs

No Field Deployment Customer Install Required	1	GMZGA07 [883-BBFN]

Hardware Support Services

3 Years ProSupport with Next Business Day Onsite Service	1	G82RWCY [818-3530] [818-3543] [818-3544] [818-3562] [975-3461] [989-3439] [997-6306]

Deployment Services

Infrastructure Deployment Selected	1	GKVH3QP [701-6538]

Dell Services: OS10 Software Support

3 Years ProSupport OS10 Enterprise Software Support-Maintenance	1	G4FXPGM [848-8544]

* The Solutions Configurator pricing is based on Dell's current list price and may include discounts. The discounts, if any, may be for a specific end-customer opportunity, and not applicable to any other deals. This pricing is not an official Dell quote; it is only an estimate; it doesnot include taxes, shipping, and other fees; and it is subject to change at any time for any reason. Pricing is Dell confidential.