System 1 Servers and Accessories

Datasheet

This datasheet contains ordering information for computers and related accessories that have been tested with System 1.

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System Specifications and Recommendations

Standard Server	Racks: Dual Intel Xeon 4208 8-core, 2.1GHz Processors, 16 cores total, 32 logical processors
	Towers: Dual Intel Xeon 4210 10-core, 2.2GHz Processors, 20 cores total, 40 logical processors
	64 GB RAM or above Operating System Hard Disk: RAID 1 & 300 GB – 10000 RPM Historian Hard Disk: RAID 6 – 10,000 RPM DVD-RW
Light Server	Rack: Single Intel Xeon 4208 8-core, 2.1GHz Processors, 8 cores total, 16 logical processors
	Tower: Single Intel Xeon 4210 10-core, 2.2GHz Processors, 10 cores total, 20 logical processors
	16 GB RAM or above Operating System Hard Disk: RAID 1 & 300 GB – 10,000 RPM Historian Hard Disk: RAID 6 & 1.2 TB– 10,000 RPM DVD-RW
Workstation	Intel Xeon W-2123 (3.6 GHz Processor)
	16 GB RAM or above 1 GB Graphics Card 1 TB Hard Drive – 7200 RPM DVD-RW
Laptop	i7 – 8850H (2.6 GHz Processor) 6 cores
	16 GB RAM or above HD Graphics Card 512GB Solid State Drive DVD-RW
Virtualized Systems	Refer to Virtualized Systems Technical White Paper, document number 125M6425.
Network speed	Minimum 100 Mbps recommended
Supported Operating Systems	Microsoft Windows® 2022 Server Standard Edition 64 bit Microsoft Windows® 2019 Server Standard Edition 64 bit Microsoft Windows® 2016 Server Standard Edition 64 bit Microsoft Windows® 11 Professional 64 bit (22H2, 21H2)† Microsoft Windows® 10 Professional 64 bit (22H2, 21H2)† † Recommended for Client

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System 1 Servers

3071/30 System Servers	
A: Computers	
00	None
##	Refer to table below

System Information Table

Type	BN Part #	OEM	Model	Processor	Disk 1 Space [GB]	Disk 2 Space [TB]	RAM [GB]	Server Datasheet
Standard Server Rack Mount	3071/30-A-01	HP	DL380 G10	4208 2.1 GHz	300 – RAID 1	2.4 – RAID 6	64	128M3395
	3071/30-A-02	Dell	R550	4309Y 2.8 GHz		2.4 – RAID 6	64	128M3396
	3071/30-A-03	HP	DL380 G10	4208 2.1 GHz	300 – RAID 1	3.6 – RAID 6	64	110M2199
	3071/30-A-04	HP	DL380 G10	4208 2.1 GHz	300 – RAID 1	6.0 – RAID 6	64	110M2200
	3071/30-A-05	HP	DL380 G10	4208 2.1 GHz	300 – RAID 1	10.8 – RAID 6	64	110M2201
	3071/30-A-07	Dell	R550	4309Y 2.8 GHz	240 – RAID 1	6.0 – RAID 6	64	146M6615
	3071/30-A-08	Dell	R550	4309Y 2.8 GHz	240 – RAID 1	12.0 – RAID 6	64	146M6617
HPE Trusted Supply Chain (Made in USA) Rack Mount	3071/30-A-14	HP	DL380 G10	4208 2.1 GHz	300 – RAID 1	3.6 – RAID 6	64	156M0070
	3071/30-A-15	HP	DL380 G10	4208 2.1 GHz	300 – RAID 1	6.0 – RAID 5	64	156M0071
	3071/30-A-16	HP	DL380 G10	4208 2.1GHz	300 – RAID 1	10.8 – RAID 6	64	156M0072

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Type	BN Part #	OEM	Model	Processor	Disk 1 Space [GB]	Disk 2 Space [TB]	RAM [GB]	Server Datasheet
Standard Server Tower	3071/30-A-10	HP	ML350 G10	4210R 2.4 GHz	300 - RAID 1	2.4 - RAID 6	64	128M3394
	3071/30-A-11	HP	ML350 G10	4210R 2.4 GHz	300 - RAID 1	3.6 - RAID 6	64	110M2203
	3071/30-A-12	HP	ML350 G10	4210R 2.4 GHz	300 - RAID 1	6.0 - RAID 6	64	110M2206
	3071/30-A-13	HP	ML350 G10	4210R 2.4 GHz	300 - RAID 1	10.8 - RAID 6	64	110M2207
Light Server Rack Mount	3071/30-A-20	HP	DL380 G10	4208 2.1 GHz	300 - RAID 1	1.2 - RAID 6	32	110M2198
Light Server Tower	3071/30-A-21	HP	ML110 G10	4210R 2.4 GHz	300 - RAID 1	1.2 - RAID 6	32	110M2202
Workstation	3071/30-A-22	HP	HP Z4G4	W-2223 3.6 GHz	1000	-	16	02200478
Laptop	3071/30-A-23	HP	ZBOOK G9	Core i7 12800HX / 2 GHz	1 TB	-	32	169849
	3071/30-A-24	Dell	Precision 3571	i7-12800H 2.4 GHz	512	-	32	173M4496

>>>Recommendations:	
Standard Server	Medium, large, or x-large Premium/ Advanced databases
>Light Server	Fundamental installation or small Premium/ Advanced database
Workstation	Fundamental installation or Premium/ Advanced Client machine
>Laptop	Fundamental installation

Computer Accessories

Category	Description	BN Part #
Keyboard[1]	Rack Mount Compact KB with touchpad	162543
	Rack Mount Integrated keyboard drawer	169403
Monitor	22" Flat Panel	165381
	24" Flat Panel	323597
	27" Flat Panel	123M4597

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Category	Description	BN Part #
Printer	HP Printer 110V Color	162146
	HP Printer 220v Color	166432
Time Synch	NTP Time Server Hardware	165764
	Antenna for NTP Time Server Hardware	123M4605
	PCI IRIG Time Code Receiver	167114
Tape Backup	HP LTO Tape Drive Tower	104M9891
	HP LTO Tape Drive Rack	104M9890
International Power Cords	Brazil	285300
Network Switch	5 port unmanaged GB Ethernet switch w/ 2 fiber SFPs	103M2251P0036
	Sixnet Industrial Ethernet GB Fiber Transceiver (GSFIBER-SFP-10K)	103M2251P0037
	MISC SFP LC 1G MM SM 1310NM	152M6446
Other	Belkin Gold Series USB 2.0 Cable	174013

(1) Tower servers come with a keyboard. Rack Mount servers do not.

Third-Party Software

BN Part #	Description
3900/01	Matrikon OPC UA Tunneller
3900/02	Domain Time Client II
3900/03	Kepware Redundancy Master
3900/04 172067	Parallels Remote App Server, with 15 users + 5 years free upgrades and support from Parallels Microsoft Windows Remote Desktop Services 2019 Licenses – 5 Users CALs
3900/05	Kepware Linkmaster
3900/06	Kepware Modbus Suite
3900/07	Acronis Backup Standard v12.5 + 1 year support - 1 machine

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