



System 1 Servers and Accessories

Datasheet

Bently Nevada Machinery Management

133M3049 Rev. M

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



System Specifications and Recommendations

Standard Server	<p>Racks: Dual Intel Xeon 4208 8-core, 2.1GHz Processors, 16 cores total, 32 logical processors</p> <p>Towers: Dual Intel Xeon 4210 10-core, 2.2GHz Processors, 20 cores total, 40 logical processors</p> <p>64 GB RAM or above</p> <p>Operating System Hard Disk: RAID 1 & 300 GB - 10000 RPM</p> <p>Historian Hard Disk: RAID 6 - 10,000 RPM</p> <p>DVD-RW</p>
Light Server	<p>Rack: Single Intel Xeon 4208 8-core, 2.1GHz Processors, 8 cores total, 16 logical processors</p> <p>Tower: Single Intel Xeon 4210 10-core, 2.2GHz Processors, 10 cores total, 20 logical processors</p> <p>16 GB RAM or above</p> <p>Operating System Hard Disk: RAID 1 & 300 GB - 10,000 RPM</p> <p>Historian Hard Disk: RAID 6 & 1.2 TB- 10,000 RPM</p> <p>DVD-RW</p>
Workstation	<p>Intel Xeon W-2123 (3.6 GHz Processor)</p> <p>16 GB RAM or above</p> <p>1 GB Graphics Card</p> <p>1 TB Hard Drive - 7200 RPM</p> <p>DVD-RW</p>
Laptop	<p>i7 - 8850H (2.6 GHz Processor) 6 cores</p> <p>16 GB RAM or above</p> <p>HD Graphics Card</p> <p>512GB Solid State Drive</p> <p>DVD-RW</p>
Virtualized Systems	Refer to Virtualized Systems Technical White Paper, document number 125M6425.
Network speed	Minimum 100 Mbps recommended
Supported Operating Systems	<p>Microsoft Windows® 2022 Server Standard Edition 64 bit</p> <p>Microsoft Windows® 2019 Server Standard Edition 64 bit</p> <p>Microsoft Windows® 2016 Server Standard Edition 64 bit</p> <p>Microsoft Windows® 11 Professional 64 bit (23H2, 22H2)[†]</p> <p>Microsoft Windows® 10 Professional 64 bit (22H2)[†]</p> <p>[†] Recommended for Client</p>

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-02	Dell	R550	Dual 4309Y 2.8 GHz	280 - RAID 1	2.4 - RAID 6	64	128M3396
	3071/30-A-25	HP	DL380 G11	Dual CPU 4410Y 2.0GHz	480 - RAID 1	4.8 RAID 6	64	180M2058
	3071/30-A-26	HP	DL380 G11	Dual CPU 4410Y 2.0GHz	480 - RAID 1	7.2 RAID 6	64	180M2059
	3071/30-A-27	HP	DL380 G11	Dual CPU 4410Y 2.0GHz	480 - RAID1	12.0 RAID 6	64	180M2060
	3071/30-A-07	Dell	R550	Dual 4309Y 2.8 GHz	240 - RAID 1	6.0 - RAID 6	64	146M6615
	3071/30-A-08	Dell	R550	Dual 4309Y 2.8 GHz	240 - RAID 1	12.0 - RAID 6	64	146M6617
Standard Server Tower	3071/30-A-28	HP	ML350 G11	Dual CPU 4410Y 2.0GHz	480 - RAID 1	4.8 RAID 6	64	180M1812
	3071/30-A-29	HP	ML350 G11	Dual CPU 4410Y 2.0GHz	480 - RAID 1	7.2 RAID 6	64	180M1813
	3071/30-A-30	HP	ML350 G11	Dual CPU 4410Y 2.0GHz	480 - RAID 1	12.0 RAID 6	64	180M1814
Light Server Rack Mount	3071/30-A-31	HP	DL380 G11	Single CPU 4410Y2.0GHz	480 - RAID 1	2.4 RAID 6	32	180M5887
Light Server Tower	3071/30-A-32	HP	ML350 G11	Single CPU 4410Y 2.0GHz	480 - RAID 1	2.4 RAID 6	32	180M4964
Workstation	3071/30-A-22	HP	HP Z4G5	W3-2423 2.0 GHz	1000	-	16	179M0620-01

Type	BN Part #	OEM	Model	Processor	Disk 1 Space [GB]	Disk 2 Space [TB]	RAM [GB]	Server Datasheet
Remote Application Server	3071/30-A-33	HP	DL380 G11	Dual CPU 4410Y 2.0GHz	480 - RAID 1	-	64	181M0174
Laptop	3071/30-A-23	HP	ZBOOK G9	Core i7 12800HX / 2 GHz	1 TB	-	32	169849
	3071/30-A-24	Dell	Precision 3580	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
Remote Application Server	Hosting System 1 Display Client for Parallels. See 3900/04 for more details.

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
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

Category	Description	BN Part #
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	Parallels Remote App Server, with 15 users + 5 years free upgrades and support from Parallels
172067	Microsoft Windows Remote Desktop Services 2019 Licenses - 5 Users CALs
	 <p>Microsoft Windows Remote Desktop Services licenses are not available for Server 2022. The 3071/30-33 Remote Application Server includes 15 RDS CALs and is intended for use with Parallels. Parallels software (3900/04) is not included with 3071/30-33.</p>
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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