

System 1 Servers and Accessories

Datasheet

Cordant™

133M3049 Rev. V

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



Baker Hughes 

System Specifications and Recommendations

Standard Server	<p>Intel Xeon 6515P 16-Core, 2.3GHz Processor (16 cores, 32 logical)*</p> <p>Minimum 64 GB RAM</p> <p>Operating System Storage: Minimum 300 GB 10K RPM SAS, RAID1</p> <p>Historian Storage: 10K RPM SAS, RAID6**</p> <p>Optional DVD-RW</p> <p>*Processors with additional cores and/or high clock speed may be utilized</p> <p>**For Replication servers with 5 or more Tx databases, the use of Solid State Storage is recommend.</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 Core®</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	<p>Refer to System 1 Virtualization Guide, document 125M6425 which can be obtained from a Bently Nevada Sales and Service or from Tech Support.</p>
Network speed	<p>Minimum 100 Mbps recommended</p>
Supported Operating Systems	<ul style="list-style-type: none"> • Microsoft Windows® 2025 Server Standard Edition 64 bit • 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 (26H1, 25H2, 24H2) (Recommended for Client)

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]	Datasheet Document Number
Standard Server Rack Mount	3071/30-34	Dell	XR7620	Dual CPU 4309Y 2.6GHz	480 RAID1	12.0 RAID 6	64	193M3482
	3071/30-35	HPE	DL380 G12	Single CPU - 6515P 2.3GHz	480GB	9TB	64	194M8152
Standard Server Tower	3071/30-36	HPE	ML350 G12	Single CPU - 6515P 2.3GHz	480GB	9TB	64	194M8151
Workstation	3071/30-22	HP	HP Z4G5	W3-2423 2.0 GHz	1000	-	16	179M0620-01
Remote Application Server	3071/30-33	HP	DL380 G11	Dual CPU 4410Y 2.0GHz	480 - RAID 1	-	64	181M0174
Laptop	3071/30-23	HP	ZBOOK G9	Core i7 12800HX / 2 GHz	-	-	32	169849
	3071/30-24	Dell	PRO MAX 16	i7-265H 5.30GHz	-	-	32	178M6658

Recommendations

Standard Server	Medium, large, or x-large Premium/ Advanced databases
Workstation	Fundamental installation or Premium/ Advanced Client machine
Laptop	Fundamental installation
Remote Application Server	Hosting System 1 Display Client for Parallels. See 3900/11 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
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 - Perpetual
3900/02	Domain Time II client License - Perpetual
3900/11	Parallels Remote App Server, 3-year subscription for 15 users
	<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 (3900/11) is not included with 3071/30-33.</p>
3900/06	Kepware Modbus Suite - Perpetual with 1 year support
3900/07	Acronis Cyber Protect 15 - 5 year subscription

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