DELL PRECISION™ 7920 RACK

Technical Guidebook

Dell Precision 7920 Rack

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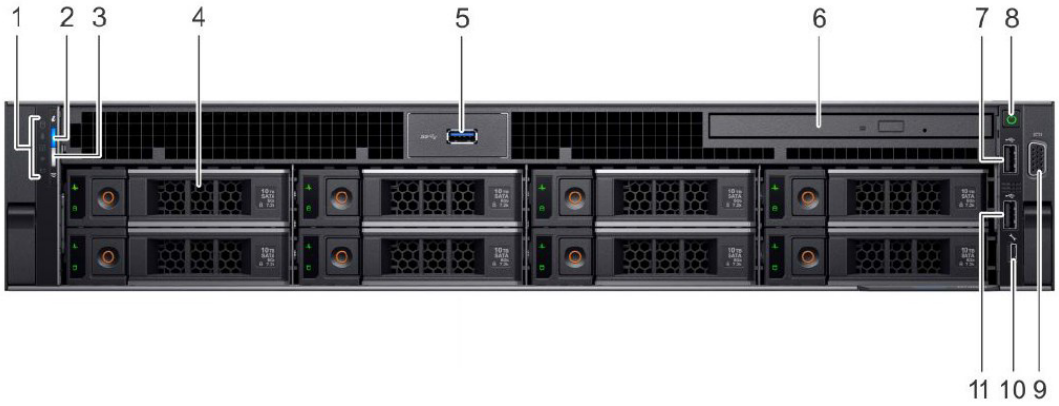
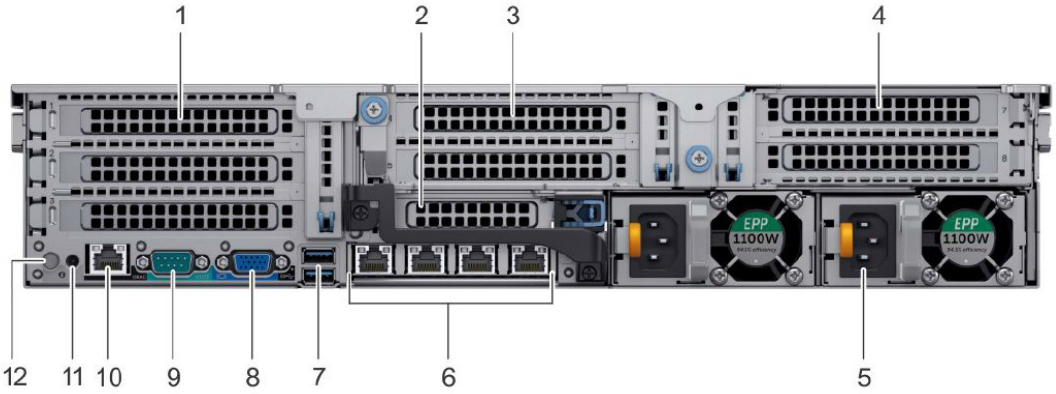
Aug. 2023 -removed reference to USB 3.2 Gen 2 Type C Optional 2 port PCIe card—Subject to change without notice,

7920 RACK EXTERNAL CHASSIS VIEWS

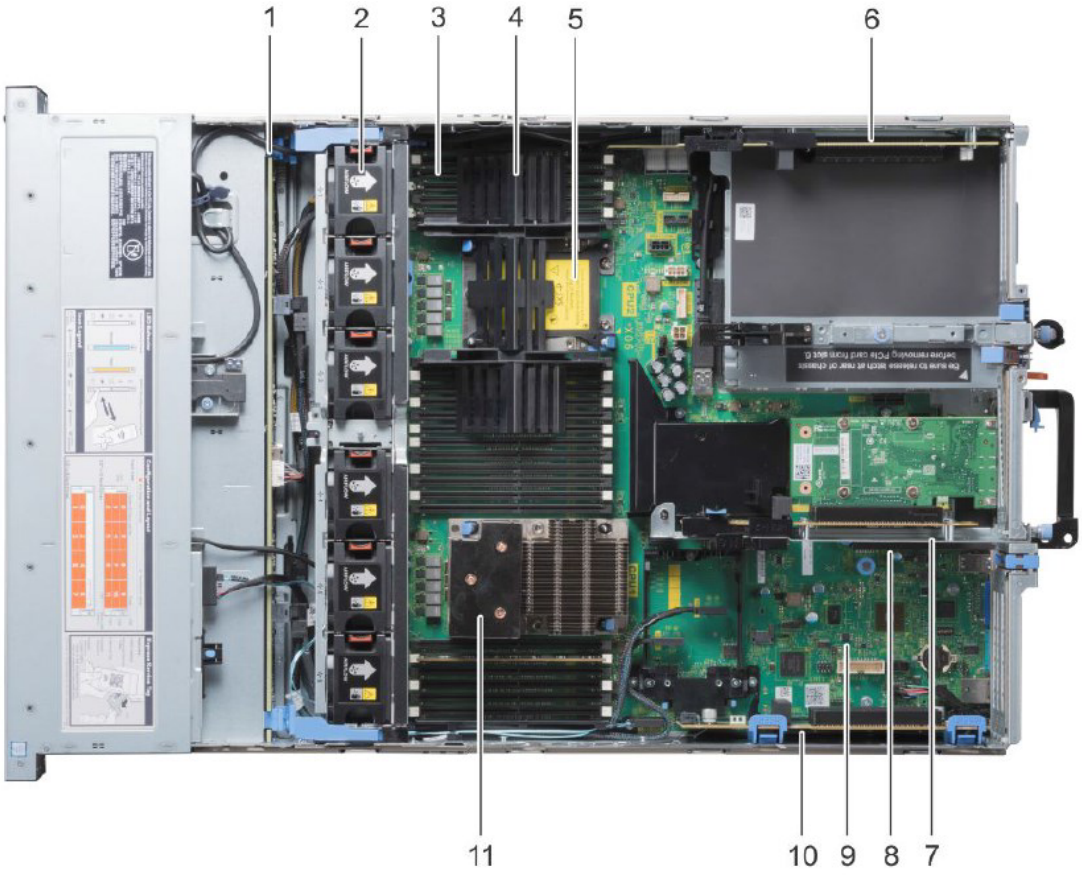




FRONT VIEW			
1	System Status Indicator	7	USB 2.0 connector
2	System health and system ID	8	Power button/Power light
3	iDRAC Quick Sync 2 wireless indicator (Optional)	9	VGA connector
4	Hard drive (x8)	10	USB management port/ iDRAC Direct
5	USB 3.0 connector	11	USB 2.0 connector
6	Slimline Optical drive (optional)		

BACK VIEW			
1	PCIe expansion card slots	7	USB 3.0 connectors (x2)
2	PCIe expansion card slots	8	VGA connector
3	PCIe expansion card slots	9	Serial connector
4	PCIe expansion card slots	10	iDRAC9 Enterprise Network connector
5	Power supply (x2)	11	System identification connector
6	RJ45 Network connectors (x4)	12	System identification button

7920 RACK - INSIDE THE SYSTEM



Number	Name	Number	Name
1	Hard drive backplane	7	Expansion card riser 2A
2	Cooling fan (6) in the cooling fan assembly	8	VFlash connector (VFlash not offered)
3	DIMM sockets	9	System board
4	CPU DIMM blank	10	Expansion card riser 1C
5	CPU 2	11	CPU 1
6	Expansion card riser 3A		Precision-7920 Rack Owner's Manual PDF

SYSTEM CONFIGURATION OPTIONS

NOTE: Offerings may vary by country. .

OPERATING SYSTEMS

Microsoft® Windows 10® operating system	Factory Installed Microsoft® Windows® 10 Pro for Workstations (64 bit)
Microsoft® Windows 7® operating system	Microsoft® Windows 7® Professional (64 bit), Available to customers with Windows Volume License Agreements as a Windows 10 Pro for Workstations downgrade option (while offered by Microsoft). Windows 7 Pro is not supported on systems with Xeon Cascade Lake SP CPUs
Red Hat® Enterprise Linux® 7.5/8.0	Factory installed RHEL workstation 7.5 and 8.0
Ubuntu 16.04/18.04	18.04 Factory Installed Limited options supported

CHIPSET

Chipset	Intel C621 Chipset (C620 Series)
Non-volatile memory on chipset	
BIOS Configuration SPI (Serial Peripheral Interface)	256Mbit (32MB)
TPM 1.2 Security Device (Trusted Platform Module)[1] TPM 2.0 ships and is supported with Windows 10 only Note: All systems are field upgradable to TPM 2.0 (with firmware & BIOS updates plus Windows 10 Installation http://www.dell.com/support/article/us/en/04/SLN300914	18KB
Non-TPM	Available in select countries
NIC EEPROM	LOM configuration contained within SPI_FLASH – no dedicated LOM EEPROM

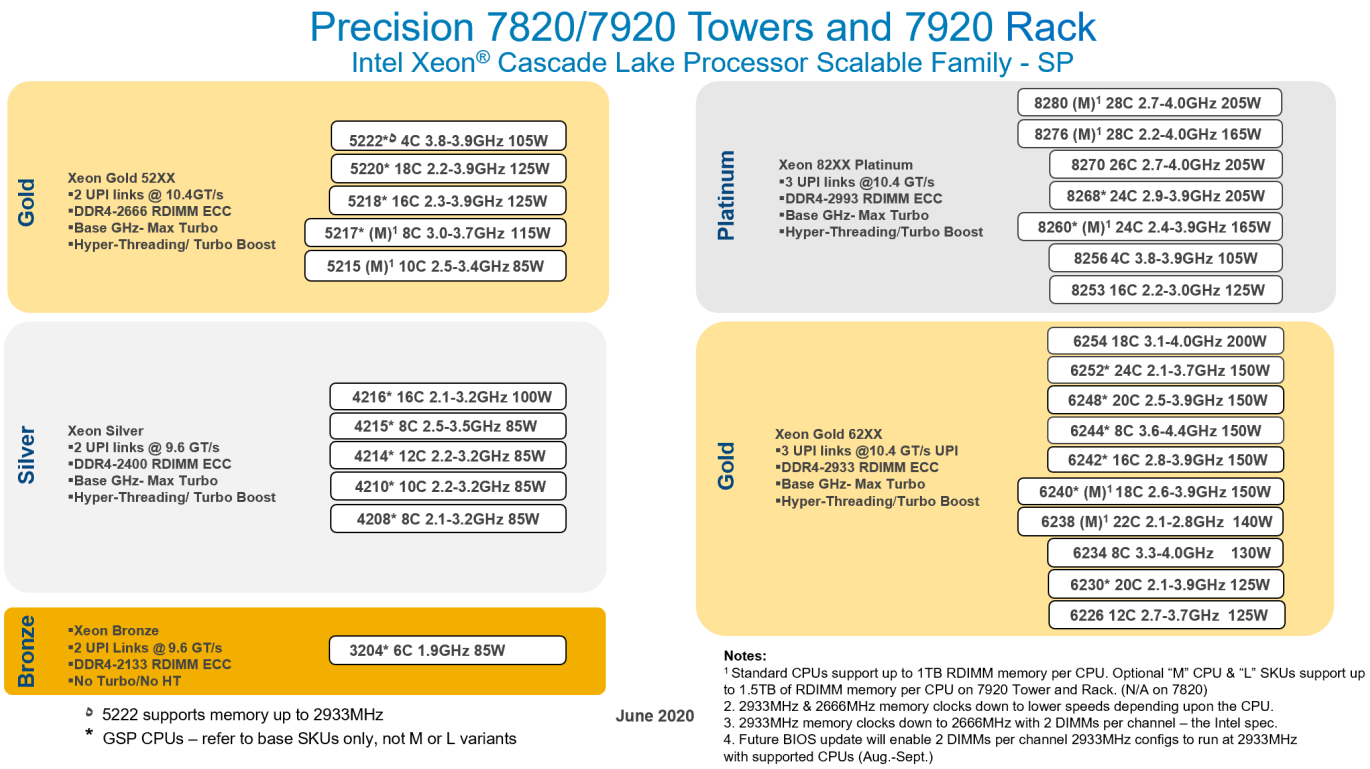
7920 RACK PROCESSOR OPTIONS

INTEL XEON CASCADE LAKE 2ND GEN SCALABLE PROCESSOR FAMILY - SP

Note: Global Standard Products (GSP) are a subset of Dell's relationship products that are managed for availability and synchronized transitions on a worldwide basis. They ensure the same platform is available for purchase globally. This allows customers to reduce the number of configurations managed on a worldwide basis, thereby reducing their costs. They also enable companies to implement global IT standards by locking in specific product configurations worldwide. The following GSP processors identified below will be made available to Dell customers.

Note: Processor numbers are not a measure of performance. Processor availability subject to change and may vary by region/ country.

- 2993MHz DDR4 ECC RDIMM memory will scale down to 2666MHz with Xeon Cascade Lake Gold 52XX Series and Silver 42XX Series. Maximum 2933 MHz memory configuration is 768GB with dual CPUs. **2933MHz memory scales down to 2666MHz with 2 DIMMs per channel.** Future BIOS update will enable 2 DIMMs per channel 2933MHz configs to run at 2933MHz with supported CPUs (Aug.-Sept.)
- 2666MHz DDR4 ECC RDIMM/LRDIMM memory will scale down to 2400MHz with Xeon Silver 42XX Series and down to 2133MHz with Xeon Bronze 32XX Series Processors.



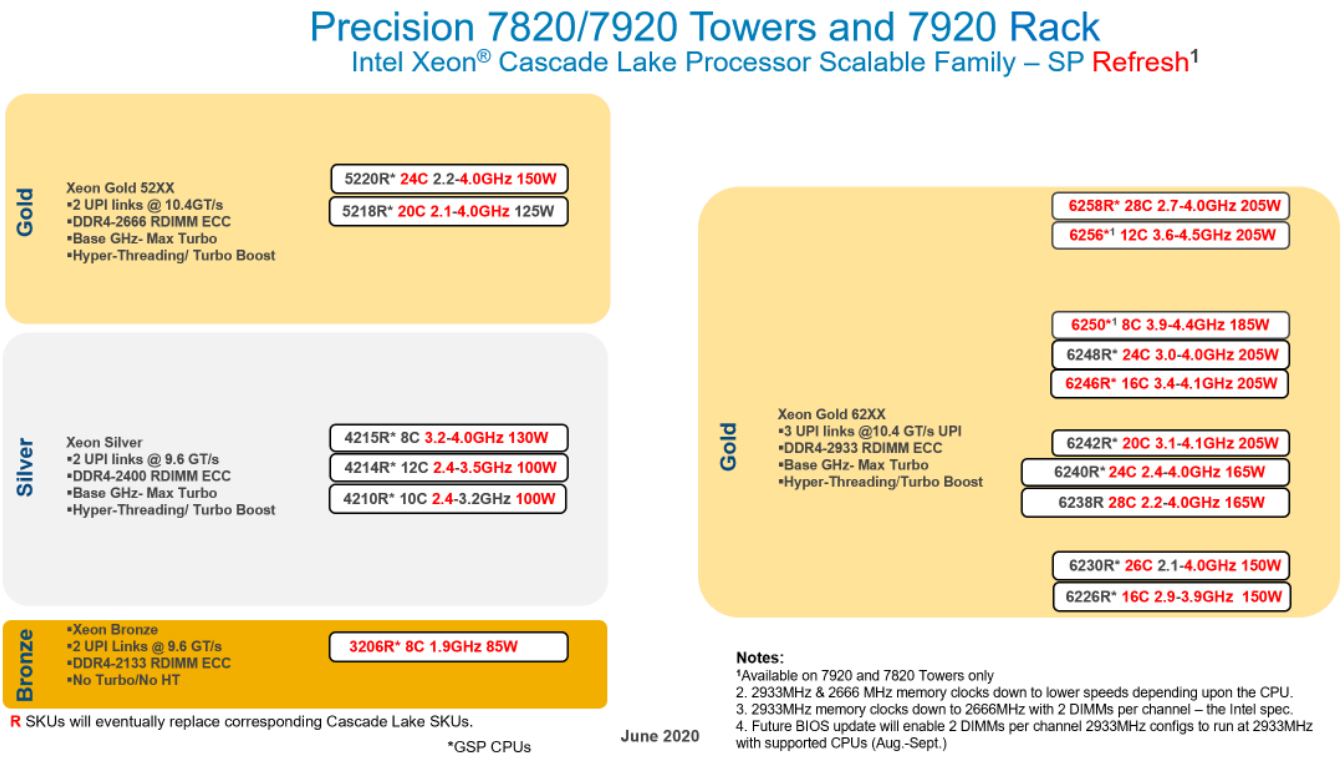
7920 RACK PROCESSOR OPTIONS

INTEL XEON CASCADE LAKE 2ND GEN SCALABLE PROCESSOR FAMILY - SP REFRESH

Note: Global Standard Products (GSP) are a subset of Dell's relationship products that are managed for availability and synchronized transitions on a worldwide basis. They ensure the same platform is available for purchase globally. This allows customers to reduce the number of configurations managed on a worldwide basis, thereby reducing their costs. They also enable companies to implement global IT standards by locking in specific product configurations worldwide. The following GSP processors identified below will be made available to Dell customers.

Note: Processor numbers are not a measure of performance. Processor availability subject to change and may vary by region/ country.

- 2993MHz DDR4 ECC RDIMM memory will scale down to 2666MHz with Xeon Cascade Lake Gold 52XX Series and Silver 42XX Series. Maximum 2933 MHz memory configuration is 768GB with dual CPUs. **2933MHz memory scales down to 2666MHz with 2 DIMMs per channel.** Future BIOS update will enable 2 DIMMs per channel 2933MHz configs to run at 2933MHz with supported CPUs (Aug.-Sept.)
- 2666MHz DDR4 ECC RDIMM/LRDIMM memory will scale down to 2400MHz with Xeon Silver 42XX Series and down to 2133MHz with Xeon Bronze 32XX Series Processors.



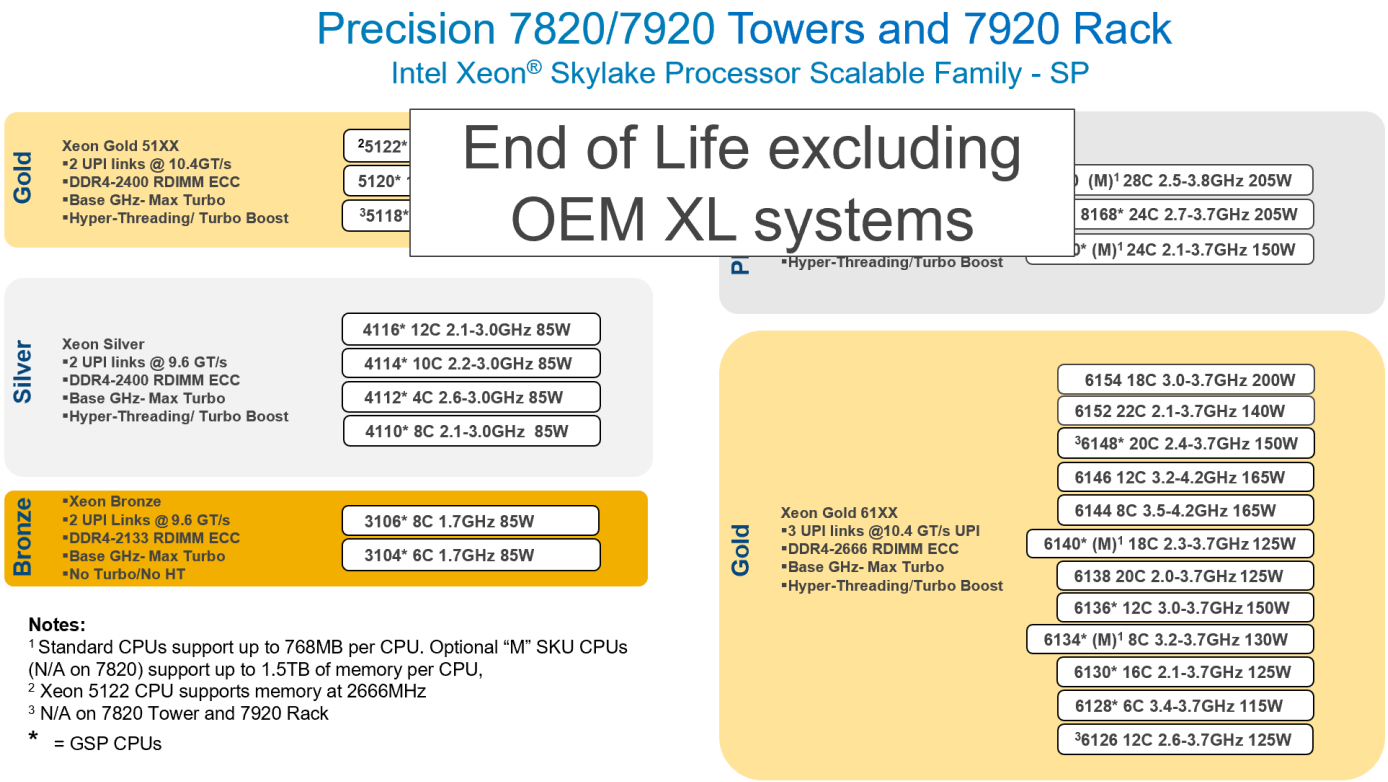
7920 RACK PROCESSOR OPTIONS

7920 RACK PROCESSORS—INTEL XEON SKYLAKE SCALABLE PROCESSOR FAMILY - SP

Note: Global Standard Products (GSP) are a subset of Dell's relationship products that are managed for availability and synchronized transitions on a worldwide basis. They ensure the same platform is available for purchase globally. This allows customers to reduce the number of configurations managed on a worldwide basis, thereby reducing their costs. They also enable companies to implement global IT standards by locking in specific product configurations worldwide. The following GSP processors identified below will be made available to Dell customers.

Note: Processor numbers are not a measure of performance. Processor availability subject to change and may vary by region/ country.

- 2666MHz DDR4 ECC RDIMM/LRDIMM memory will scale down to 2400MHz with Xeon Gold 51XX Series (excluding 5122) and Xeon Silver 41XX Series and down to 2133MHz with Xeon Bronze 31XX Series Processors.
- 2933MHz DDR4 ECC RDIMM memory is not supported with Xeon Skylake SP processors



MEMORY - 2666MHZ

Note: The Precision 7920 Rack workstation has a six channel memory bus architecture and two memory controllers per CPU. Dell recommends that where possible, all six memory channels be populated with DIMMS for maximum memory performance.

Note: With certain processors, 2666MHz DDR4 ECC RDIMM/LRDIMM memory scales down to 2400MHz or 2133MHz.
See processor page for details.

Type:	DDR4 SDRAM RDIMM/LRDIMM ECC
Max Frequency	2666/2400/2133MHz
DIMM Slots	24 (12 per CPU)
DIMM Capacities	8GB, 16GB,32GB RDIMM, 64GB,128GB LRDIMM
Maximum System Memory	3.0TB with 2x “M” CPU SKUs installed)

FACTORY INSTALLED 2666MHZ MEMORY CONFIGURATIONS:

Note: Other configurations are possible via CFI or memory customer kits, but are not available as standard factory installed options.

7920 Rack Memory				CPU0										CPU1									
				iMC1						iMC0				iMC1						iMC0			
				Ch5		Ch4		Ch3		Ch0		Ch1		Ch2		Ch5		Ch4		Ch3		Ch0		Ch1		Ch2	
Config	Total (GB)	DPC	Frequency	0	1	0	1	0	1	1	0	1	0	1	0	0	1	0	1	0	1	1	0	1	0	1	0
S192B	192	1DPC	2666	32		32		32			32		32		32												
S256	256	2DPC	2666			32	32	32	32	32	32	32	32														
S384	384	2DPC	2666	32	32	32	32	32	32	32	32	32	32	32	32												
S384B	384	1DPC	2666	64		64		64			64		64		64												
S512	512	2DPC	2666			64	64	64	64	64	64	64	64														
S768	768	2DPC	2666	64	64	64	64	64	64	64	64	64	64	64	64												
S768B	768	1DPC	2666	128		128		128			128		128		128												
S1024	1024	2DPC	2666			128	128	128	128	128	128	128	128														
S1536	1536	2DPC	2666	128	128	128	128	128	128	128	128	128	128	128	128												
S64LR	64	1DPC	2666								64																
S128LR	128	1DPC	2666					64			64																
S384LR	384	1DPC	2666	64		64		64			64		64		64												
S512LR	512	2DPC	2666			64	64	64	64	64	64	64	64														
S768LR	768	2DPC	2666	64	64	64	64	64	64	64	64	64	64	64	64												
S128LRB	128	1DPC	2666								128																
S256LR	256	1DPC	2666					128			128																
S768LRB	768	1DPC	2666	128		128		128			128		128		128												
S1024LR	1024	2DPC	2666			128	128	128	128	128	128	128	128														
S1536LR	1536	2DPC	2666	128	128	128	128	128	128	128	128	128	128	128	128												

MEMORY - 2666MHZ

Note: The Precision 7920 Rack workstation has a six channel memory bus architecture and two memory controllers per CPU. Dell recommends that where possible, all six memory channels be populated with DIMMS for maximum memory performance.

Note: With certain processors, 2666MHz DDR4 ECC RDIMM/LRDIMM memory scales down to 2400MHz or 2133MHz.
See processor page for details.

Type:	DDR4 SDRAM RDIMM/LRDIMM ECC
Max Frequency	2666/2400/2133MHz
DIMM Slots	24 (12 per CPU)
DIMM Capacities	8GB, 16GB,32GB RDIMM, 64GB,128GB LRDIMM
Maximum System Memory	3.0TB with 2x “M” CPU SKUs installed)

FACTORY INSTALLED 2666MHZ MEMORY CONFIGURATIONS:

Note: Other configurations are possible via CFI or memory customer kits, but are not available as standard factory installed options.

7920 Rack Memory				CPU0												CPU1											
				iMC1						iMC0						iMC1						iMC0					
				Ch5		Ch4		Ch3		Ch0		Ch1		Ch2		Ch5		Ch4		Ch3		Ch0		Ch1		Ch2	
Config	Total (GB)	DPC	Frequency	0	1	0	1	0	1	1	0	1	0	1	0	0	1	0	1	0	1	1	0	1	0	1	0
D16	16	1DPC	2666								8												8				
D32	32	1DPC	2666					8			8									8			8				
D64	64	1DPC	2666			8		8			8		8					8		8			8		8		
D96	96	1DPC	2666	8		8		8			8		8		8	8		8		8			8		8		8
D128	128	2DPC	2666			8	8	8	8	8	8	8	8					8	8	8	8	8	8	8	8		
D192	192	2DPC	2666	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
D192B	192	1DPC	2666	16		16		16			16		16		16	16		16		16			16		16		16
D256	256	2DPC	2666			16	16	16	16	16	16	16	16					16	16	16	16	16	16	16	16		
D384	384	2DPC	2666	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
D384B	384	1DPC	2666	32		32		32			32		32		32	32		32		32			32		32		32
D512	512	2DPC	2666			32	32	32	32	32	32	32	32					32	32	32	32	32	32	32	32		
D768	768	2DPC	2666	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
D768B	768	1DPC	2666	64		64		64			64		64		64	64		64		64			64		64		64
D1024	1024	2DPC	2666			64	64	64	64	64	64	64	64					64	64	64	64	64	64	64	64		
D1536	1536	2DPC	2666	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64
D1536B	1536	1DPC	2666	128		128		128			128		128		128	128		128		128			128		128		128
D2048	2048	2DPC	2666			128	128	128	128	128	128	128	128					128	128	128	128	128	128	128	128		
D3072	3072	2DPC	2666	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128
D128LR	128	1DPC	2666								64												64				
D256LR	256	1DPC	2666					64			64									64			64				
D512LR	512	1DPC	2666			64		64			64		64					64		64			64		64		
D768LR	768	1DPC	2666	64		64		64			64		64		64	64		64		64			64		64		64
D1024LR	1024	2DPC	2666			64	64	64	64	64	64	64	64					64	64	64	64	64	64	64	64		
D1536LR	1536	2DPC	2666	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64
D256LRB	256	1DPC	2666								128												128				
D512LRB	512	1DPC	2666					128			128									128			128				
D1024LRB	1024	1DPC	2666			128		128			128		128					128		128			128		128		
D1536LRB	1536	1DPC	2666	128		128		128			128		128		128	128		128		128			128		128		128
D2048LR	1024	2DPC	2666			128	128	128	128	128	128	128	128					128	128	128	128	128	128	128	128		
D3072LR	3072	2DPC	2666	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128	128

MEMORY - 2933MHZ

Note: 2933MHz memory runs at 2933MHz speed in **single** DIMM per channel configs with Xeon Cascade Lake 82XX Platinum and 62XX Gold processors. With Xeon Cascade Lake Gold 52XX, Silver 42XX and Bronze 32XX processors, 2933MHz memory will clock down to 2666MHz, 2400MHz and 2133MHz speeds respectively. See processor page for details. 2933MHz memory is not supported with Xeon Skylake SP processors

Type:	DDR4 SDRAM RDIMM ECC
Max Frequency	2933MHz
DIMM Slots	24 (12 per CPU)
DIMM Capacities	8GB, 16GB, 32GB, 64GB
Maximum System Memory	768GB with 2 CPUs

FACTORY INSTALLED 2933MHZ MEMORY CONFIGURATIONS:

Note: Other configurations are possible via CFI or memory customer kits, but are not available as standard factory installed options.

7920 Rack Memory				CPU0												CPU1											
				iMC1						iMC0						iMC1						iMC0					
				Ch5		Ch4		Ch3		Ch0		Ch1		Ch2		Ch5		Ch4		Ch3		Ch0		Ch1		Ch2	
Config	Total (GB)	DPC	Frequency	0	1	0	1	0	1	1	0	1	0	1	0	0	1	0	1	0	1	1	0	1	0	1	0
S8N	8	1DPC	2933								8																
S16	16	1DPC	2933					8			8																
S32	32	1DPC	2933			8		8			8		8														
S48	48	1DPC	2933	8		8		8			8		8		8												
S96	96	1DPC	2933	16		16		16			16		16		16												
S192	192	1DPC	2933	32		32		32			32		32		32												
S384	384	1DPC	2933	64		64		64			64		64		64												
S64	64	1DPC	2933								64																
S128	128	1DPC	2933					64			64																
D16	16	1DPC	2933								8												8				
D32	32	1DPC	2933					8			8									8			8				
D64	64	1DPC	2933			8		8			8		8					8		8			8		8		
D96	96	1DPC	2933	8		8		8			8		8		8	8		8		8			8		8		8
D192	192	1DPC	2933	16		16		16			16		16		16	16		16		16			16		16		16
D384	384	1DPC	2933	32		32		32			32		32		32	32		32		32			32		32		32
D128	128	1DPC	2933								64												64				
D256	256	1DPC	2933					64			64									64			64				
D512	512	1DPC	2933			64		64			64		64					64		64			64		64		
D768	768	1DPC	2933	64		64		64			64		64		64	64		64		64			64		64		64

MEMORY - INTEL OPTANE DC PERSISTENT MEMORY 2666MHZ (MEMORY MODE)

Intel Optane DC Persistent Memory is offered with select Xeon Cascade Lake processors. It runs at 2666MHz and requires standard RDIMM memory as cache— which is not included in overall memory capacity. Intel DCPMM is supported in memory mode only and is not “Persistent” in memory mode.

Type:	Intel Optane DC Persistent Memory modules
Max Frequency	2666MHz
DCPMM Capacities	128GB, 256GB, 512GB
Maximum Memory with DCPMM	1.5TB with1 CPU, 6.0TB with 2 CPUs

FACTORY INSTALLED DCPMM MEMORY CONFIGURATIONS:

Note: Other configurations are possible via CFI or memory customer kits, but are not available as standard factory installed options.

7920 Rack Intel Optane DCPMM			CPU0												CPU1											
			iMC1						iMC0						IMC0						IMC1					
			Ch5		Ch4		Ch3		Ch0		Ch1		Ch2		Ch5		Ch4		Ch3		Ch0		Ch1		Ch2	
			0	1	0	1	0	1	1	0	1	0	1	0	0	1	0	1	0	1	1	0	1	0	1	0
DDR4 Cache (GB)	Total Memory AEP (GB)	DPC	DIMM2	DIMM8	DIMM4	DIMM10	DIMM6	DIMM12	DIMM11	DIMM5	DIMM9	DIMM3	DIMM7	DIMM1	DIMM1	DIMM7	DIMM3	DIMM9	DIMM5	DIMM11	DIMM12	DIMM6	DIMM10	DIMM4	DIMM8	DIMM2
64	256	111	128		16		16			16		16		128												
96	512	221	16	128	16	128	16			16	128	16	128	16												
192	1024	221	32	256	32	256	32			32	256	32	256	32												
192	2048	221	32	512	32	512	32			32	512	32	512	32												
96	768	222	16	128	16	128	16	128	128	16	128	16	128	16												
192	1536	222	32	256	32	256	32	256	256	32	256	32	256	32												
128	512	111	128		16		16			16		16		128	128		16		16			16		16		128
256	2048	111	512		32		32			32		32		512	512		32		32			32		32		512
192	1024	221	16	128	16	128	16			16	128	16	128	16	16	128	16	128	16			16	128	16	128	16
384	2048	221	32	256	32	256	32			32	256	32	256	32	32	256	32	256	32			32	256	32	256	32
768	4096	221	64	512	64	512	64			64	512	64	512	64	64	512	64	512	64			64	512	64	512	64
192	1536	222	16	128	16	128	16	128	128	16	128	16	128	16	16	128	16	128	16	128	128	16	128	16	128	16
384	3072	222	32	256	32	256	32	256	256	32	256	32	256	32	32	256	32	256	32	256	256	32	256	32	256	32
768	3072	222	64	256	64	256	64	256	256	64	256	64	256	64	64	256	64	256	64	256	256	64	256	64	256	64
1536	6144	222	128	512	128	512	128	512	512	128	512	128	512	128	128	512	128	512	128	512	512	128	512	128	512	128

GRAPHICS

NOTE: Up to 4 single wide or 3 double wide graphics cards can be supported with the 2nd CPU installed.

NOTE: All slots are full height (except slot 6) and full length (except slot 3). Please see the slot matrix page to see which slots are enabled with which CPU. The system ships with 1x 6+2 pin and 1x 6 pin aux power connectors per riser (3 risers).

Graphics Options	
High End 3D Cards	
Options	Graphics card PCIe AUX power connectors/dongles
Radeon Pro W5700 – August 2020	1x 8 pin 1x 6 pin
Radeon Pro WX 9100	1x 8 pin 1x 6 pin
NVIDIA Quadro GV100	1x 8 pin
NVIDIA Quadro RTX 8000	1x 8 pin 1x 6 pin
NVIDIA Quadro RTX 6000	1x 8 pin 1x 6 pin
NVIDIA Quadro P6000 - EOL	1x 8 pin
NVIDIA Quadro RTX 5000	1x 8 pin 1x 6 pin
NVIDIA Quadro P5000 - EOL	1x 8 pin
Mid-range 3D Cards	
Options	Graphics card PCIe AUX power inputs
Radeon Pro W5500 – August 2020	1x 6 pin
Radeon Pro WX 7100	1x 6 pin
Radeon Pro WX 5100	
Radeon Pro WX 4100 - EOL	
NVIDIA Quadro RTX 4000	1x 8 pin
NVIDIA Quadro P4000 - EOL	1x 6 pin
NVIDIA Quadro P2200	
NVIDIA Quadro P2000 - EOL	
Entry 3D Cards	
Options	Graphics card PCIe AUX power inputs
NVIDIA Quadro P620	
NVIDIA Quadro P400	
Professional 2D Cards	

GRAPHICS - PSU REQUIREMENTS FOR MULTI CARD CONFIGS

NOTE: Some configs require 2x 1100W PSUs in non-redundant mode for additional power (load sharing) or 2x 1600W PSUs @220V in non redundant mode. This is because the Enterprise Server IDRAC database PSU requirements were changed from vendor TDP specs to peak power specs for the new generation CPUs, graphics etc.

Note: These are estimates based on CPU + GPU combination only & can change depending on other components populated.
There is some margin for additional components, so these values should be okay except for the most extreme configs.
All items higlighted green are okay with 1x 1100W PSU
All items highlighted blue require 2x 1100W (non redundant) or 1x 1600W @220V or 2x 1600W @110V (non redundant), 2x 1600W @220V (redundant) OK
All items highlighted red require 2x 1600W @220V non redundant

		1X															2x															3x												4x					
		AMD WX4100	AMD WX5100	AMD WX7100	AMD WX9100	AMD Pro555	NVidia P2000	NVidia P400	NVidia P620	NVidia P4000	NVidia P5000	NVidia P6000	NVidia RTX4000	NVidia RTX5000	NVidia RTX6000/8000	NVidia GP100	NVidia GV100	AMD WX4100	AMD WX5100	AMD WX7100	NVidia P2000	NVidia P400	NVidia P620	NVidia P4000	AMD WX9100	AMD Pro555	NVidia P5000	NVidia P6000	NVidia RTX4000	NVidia RTX5000	NVidia RTX6000/8000	NVidia GP100	NVidia GV100	AMD WX4100	AMD WX5100	NVidia P2000	NVidia P400	NVidia P620	NVidia P4000	NVidia RTX4000	NVidia RTX5000	NVidia RTX6000/8000	NVidia GP100	NVidia GV100	AMD WX4100	AMD WX5100	NVidia P2000	NVidia P400	NVidia P620	NVidia P4000	Cumulative GPU Peak Power (W)
CPU TDP	Cumulative CPU Pmax (W)	45	75	150	414	439	204	72	72	312	360	360	362	670	670	360	360	90	150	300	403	144	144	624	428	720	720	720	724	1340	1340	720	720	NA	225	NA	NA	NA	NA	1080	1080	1086	2030	2030	1080	1080	180	300	816	288	288	1248	
70W	154	199	274	304	568	593	358	226	226	466	514	514	516	824	824	514	514	244	349	454	562	298	298	778																													
85W	187	232	307	337	601	626	391	259	259	499	547	547	549	857	857	547	547	277	382	487	595	331	331	811																													
105W	231	276	351	381	645	670	435	303	303	543	591	591	593	901	901	591	591	321	426	531	639	375	375	855																													
115W	253	298	378	403	667	692	457	325	325	565	613	613	615	923	923	613	613	343	448	553	661	397	397	877																													
125W	264	309	384	414	678	703	468	336	336	576	626	624	626	934	934	624	624	354	459	564	672	408	408	888																													
130W	286	331	406	436	700	725	490	358	358	598	646	646	648	956	956	646	646	376	481	586	694	430	430	910																													
135W	297	342	417	447	711	736	501	369	369	609	657	657	659	967	967	657	657	387	492	597	705	441	441	921																													
140W	297	342	417	447	711	736	501	369	369	609	657	657	659	967	967	657	657	387	492	597	705	441	441	921																													
150W	319	364	439	469	733	758	523	391	391	631	679	679	681	989	989	679	679	409	514	619	727	463	463	943																													
160W	352	397	472	502	766	791	556	424	424	664	712	712	714	1022	1022	712	712	442	547	652	760	496	496	976																													
165W	363	408	483	513	777	802	567	435	435	675	723	723	725	1033	1033	723	723	453	558	663	771	507	507	987																													
205W	413	458	533	563	827	852	617	485	485	725	773	773	775	1083	1083	773	773	503	608	713	821	557	557	1037																													
2x 70W	308	353	428	458	722	747	512	380	380	620	668	668	670	978	978	668	668	398	503	608	716	452	452	932	1340	1232	1028	1028	1030	1338	1338	1028	1028	NA	623	NA	NA	NA	NA	1388	1388	1394	2318	2318	1388	1388	488	1328	1124	596	596	1556	
2x 85W	374	419	494	524	788	813	578	446	446	686	734	734	736	1044	1044	734	734	464	569	674	782	518	518	998	1406	1298	1094	1094	1096	1404	1404	1094	1094	NA	689	NA	NA	NA	NA	1454	1454	1460	2384	2384	1454	1454	554	1394	1190	662	662	1622	
2x 105W	462	507	582	612	876	901	666	534	534	774	822	822	824	1132	1132	822	822	552	657	762	870	606	606	1086	1494	1386	1182	1182	1184	1492	1492	1182	1182	NA	777	NA	NA	NA	NA	1542	1542	1548	2472	2472	1542	1542	642	1482	1278	750	750	1710	
2x 115W	506	551	626	656	920	945	710	578	578	818	866	866	868	1176	1176	866	866	596	701	806	914	650	650	1130	1538	1430	1226	1226	1228	1536	1536	1226	1182	NA	821	NA	NA	NA	NA	1586	1586	1592	2516	2516	1586	1586	686	1526	1322	794	794	1754	
2x 125W	528	573	648	678	942	967	732	600	600	840	888	888	890	1198	1198	888	888	618	723	828	936	672	672	1152	1560	1452	1248	1248	1250	1558	1558	1248	1248	NA	843	NA	NA	NA	NA	1608	1608	1614	2538	2538	1608	1608	708	1548	1344	816	816	1776	
2x 130W	572	617	692	722	986	1011	776	644	644	884	932	932	934	1242	1242	932	932	662	767	872	980	716	716	1196	1604	1496	1292	1292	1294	1602	1602	1292	1292	NA	887	NA	NA	NA	NA	1652	1652	1658	2582	2582	1652	1652	752	1592	1388	860	860	1820	
2x 135W	594	639	714	744	1008	1033	798	666	666	906	954	954	956	1264	1264	954	954	684	789	894	1002	738	738	1218	1626	1518	1314	1314	1316	1624	1624	1314	1314	NA	909	NA	NA	NA	NA	1674	1674	1680	2604	2604	1674	1674	774	1614	1410	882	882	1842	
2x 140W	594	639	714	744	1008	1033	798	666	666	906	954	954	956	1264	1264	954	954	684	789	894	1002	738	738	1218	1626	1518	1314	1314	1316	1624	1624	1314	1314	NA	909	NA	NA	NA	NA	1674	1674	1680	2604	2604	1674	1674	774	1614	1410	882	882	1842	
2x 150W	638	683	758	788	1052	1077	842	710	710	950	998	998	1000	1308	1308	998	998	728	833	938	1046	782	782	1262	1670	1562	1358	1358	1360	1668	1668	1358	1358	NA	953	NA	NA	NA	NA	1718	1718	1724	2648	2648	1718	1718	818	1658	1454	926	926	1886	
2x 160W	704	749	824	854	1118	1143	908	776	776	1016	1064	1064	1066	1374	1374	1064	1064	794	899	1004	1112	848	848	1328	1736	1628	1424	1424	1426	1734	1734	1424	1424	NA	1019	NA	NA	NA	NA	1784	1784	1790	2714	2714	1784	1784	884	1724	1520	992	992	1952	
2x 165W	726	771	846	876	1140	1165	930	798	798	1038	1086	1086	1088	1396	1396	1086	1086	816	921	1026	1134	870	870	1350	1758	1650	1446	1446	1448	1756	1756	1446	1446	NA	1041	NA	NA	NA	NA	1806	1806	1812	2736	2736	1806	1806	906	1746	1542	1014	1014	1974	
2x 205W	826	871	946	976	1240	1265	1030	898	898	1138	1186	1186	1188	1496	1496	1186	1186	916	1021	1126	1234	970	970	1450	1858	1750	1546	1546	1548	1856	1856	1546	1546	NA	1141	NA	NA	NA	NA	1906	1906	1912	2836	2836	1906	1906	1006	1846	1642	1114	1114	2074	

Combined CPU + GPU power requirements