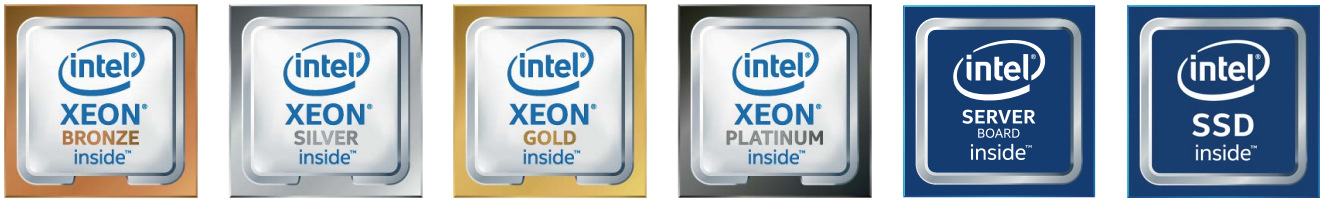
Intel® Server System

VER 3.0 # Product Guide



Xeon® Scalable Processors

Feature							
		 K5 series		 K5 series	 K5 series		
구 분		R1304WF	R1208WF	R2308WF	R2312WF	R2208WF	R2224WF
Board		S2600WFT	S2600WFT	S2600WFT	S2600WFT	S2600WFT	S2600WFT
프로세서	타입	Xeon Scalable Processors (Fabric options)	Xeon Scalable Processors (Fabric options)	Xeon Scalable Processors (Fabric options)	Xeon Scalable Processors (Fabric options)	Xeon Scalable Processors (Fabric options)	Xeon Scalable Processors (Fabric options)
	최대 장착 수	2개	2개	2개	2개	2개	2개
	Core	4~28 (8~56)	4~28 (8~56)	4~28 (8~56)	4~28 (8~56)	4~28 (8~56)	4~28 (8~56)
	UPI (GT/s)	9.6~10.4	9.6~10.4	9.6~10.4	9.6~10.4	9.6~10.4	9.6~10.4
Chipset		C624	C624	C624	C624	C624	C624
메모리	타입	DDR4 ECC R/LR DIMM	DDR4 ECC R/LR DIMM	DDR4 ECC R/LR DIMM	DDR4 ECC R/LR DIMM	DDR4 ECC R/LR DIMM	DDR4 ECC R/LR DIMM
	슬롯 / Max	24 DIMM (Processor per 6ch)	24 DIMM (Processor per 6ch)	24 DIMM (Processor per 6ch)	24 DIMM (Processor per 6ch)	24 DIMM (Processor per 6ch)	24 DIMM (Processor per 6ch)
HDD	타입	SAS / SATA	SAS / SATA / NVMe (Up to 8)	SAS / SATA	SAS / SATA / NVMe (Up to 2)	SAS / SATA / NVMe (Up to 8)	SAS / SATA / NVMe (Up to 24)
	Bays	4Bay / 3.5" and 2.5" Hot-swap	8Bay / 2.5" Hot-swap	8Bay / 3.5" and 2.5" Hot-swap	12Bay / 3.5" and 2.5" Hot-swap	8Bay / 2.5" Hot-swap	24Bay / 2.5" Hot-swap
	Storage technologies	-	Intel VMD for NVMe Intel VROC for NVMe (Option)	Intel VMD for NVMe Intel VROC for NVMe (Option)	Intel VMD for NVMe Intel VROC for NVMe (Option)	Intel VMD for NVMe Intel VROC for NVMe (Option)	Intel VMD for NVMe Intel VROC for NVMe (Option)
LAN		2 Ports x 10Gb	2 Ports x 10Gb	2 Ports x 10Gb	2 Ports x 10Gb	2 Ports x 10Gb	2 Ports x 10Gb
Video		Onboard 16MB VGA	Onboard 16MB VGA	Onboard 16MB VGA	Onboard 16MB VGA	Onboard 16MB VGA	Onboard 16MB VGA
시스템 관리		IPMI 2.0 (옵션:RMM4 Lite key)	IPMI 2.0 (옵션:RMM4 Lite key)	IPMI 2.0 (옵션:RMM4 Lite key)	IPMI 2.0 (옵션:RMM4 Lite key)	IPMI 2.0 (옵션:RMM4 Lite key)	IPMI 2.0 (옵션:RMM4 Lite key)
전원 공급기		800W (1+0) 1100W (1+0)	1100W (1+0)	1200W(1+1) / 1300W (1+0)	1200W(1+1) / 1300W (1+0)	1300W (1+0)	1300W (1+0)
폼팩터		1U Rack	1U Rack	2U Rack	2U Rack	2U Rack	2U Rack
확장옵션		최대 PCIe express lane 수 100	최대 PCIe express lane 수 100	최대 PCIe express lane 수 100	최대 PCIe express lane 수 100	최대 PCIe express lane 수 100	최대 PCIe express lane 수 100

E5-2600V3, V4 Series

Feature							
							
구 분		R1304WT	R1208WT	R2308WT	R2208WT	R2312WT	R2224WT
Board		S2600WT2 S2600WTT	S2600WT2 S2600WTT	S2600WT2 S2600WTT	S2600WT2 S2600WTT	S2600WT2 S2600WTT	S2600WT2 S2600WTT
프로세서	타입	E5-2600V3, V4 Series	E5-2600V3, V4 Series	E5-2600V3, V4 Series	E5-2600V3, V4 Series	E5-2600V3, V4 Series	E5-2600V3, V4 Series
	최대 장착 수	2개	2개	2개	2개	2개	2개
	Core	4~22 (8~44)	4~22 (8~44)	4~22 (8~44)	4~22 (8~44)	4~22 (8~44)	4~22 (8~44)
	QPI (GT/s)	6.4~9.6	6.4~9.6	6.4~9.6	6.4~9.6	6.4~9.6	6.4~9.6
Chipset		C612	C612	C612	C612	C612	C612
메모리	타입	DDR4 ECC R/LR DIMM	DDR4 ECC R/LR DIMM	DDR4 ECC R/LR DIMM	DDR4 ECC R/LR DIMM	DDR4 ECC R/LR DIMM	DDR4 ECC R/LR DIMM
	슬롯 / Max	24 DIMM	24 DIMM	24 DIMM	24 DIMM	24 DIMM	24 DIMM
HDD	타입	SAS / SATA	SAS / SATA	SAS / SATA	SAS / SATA	SAS / SATA	SAS / SATA
	Bays	4Bay / 3.5" and 2.5" Hot-swap	8 Bay / 2.5" Hot-swap	8Bay / 3.5" and 2.5" Hot-swap	8 Bay / 2.5" Hot-swap	12 Bay / 3.5" and 2.5" Hot-swap	24 Bay / 2.5" Hot-swap
LAN		2 Ports x 1Gb or 10Gb	2 ports x 1Gb or 10Gb	2 ports x 1Gb or 10Gb	2 ports x 1Gb or 10Gb	2 ports x 1Gb or 10Gb	2 ports x 1Gb or 10Gb
Video		Onboard 16MB VGA	Onboard 16MB VGA	Onboard 16MB VGA	Onboard 16MB VGA	Onboard 16MB VGA	Onboard 16MB VGA
시스템 관리		IPMI 2.0 (옵션:RMM4 Lite key)	IPMI 2.0 (옵션:RMM4 Lite key)	IPMI 2.0 (옵션:RMM4 Lite key)	IPMI 2.0 (옵션:RMM4 Lite key)	IPMI 2.0 (옵션:RMM4 Lite key)	IPMI 2.0 (옵션:RMM4 Lite key)
전원 공급기		750W (1+0)	750W (1+0)	750W (1+0) / 1100W (1+0)	750W (1+0) / 1100W (1+0)	750W (1+0) / 1100W (1+0)	750W (1+0) / 1100W (1+0)
폼팩터		1U Rack	1U Rack	2U Rack	2U Rack	2U Rack	2U Rack

K3 series



KR1304ST
S2600STB / S2600STQ (QAT)
Xeon Scalable Processors
2개
4~28 (8~56)
9.6~10.4
C624 / C628
DDR4 ECC R/LR DIMM
16 DIMM (Processor per 6ch)
SAS / SATA
4Bay / 3.5" and 2.5" Hot-swap
-
2 Ports x 10Gb
Onboard 16MB VGA
IPMI 2.0 (옵션:RMM4 Lite key)
500W (fixed) / 650W (1+0))
1U Rack
최대 PCIe expess lane 수 96

K3 series



KR2308ST
S2600STB / S2600STQ (QAT)
Xeon Scalable Processors
2개
4~28 (8~56)
9.6~10.4
C624 / C628
DDR4 ECC R/LR DIMM
16 DIMM (Processor per 6ch)
SAS / SATA
8 Bay / 3.5" and 2.5" Hot-swap
-
2 Ports x 10Gb
Onboard 16MB VGA
IPMI 2.0 (옵션:RMM4 Lite key)
650W (fixed) / 875W (1+1)
2U Rack
최대 PCIe expess lane 수 96

K3 series



KR2312ST
S2600STB / S2600STQ (QAT)
Xeon Scalable Processors
2개
4~28 (8~56)
9.6~10.4
C624 / C628
DDR4 ECC R/LR DIMM
16 DIMM (Processor per 6ch)
SAS / SATA
12 Bay / 3.5" and 2.5" Hot-swap 2.5" Fixed 2EA
-
2 Ports x 10Gb
Onboard 16MB VGA
IPMI 2.0 (옵션:RMM4 Lite key)
650W (Fixed) / 875W (1+1)
2U Rack
최대 PCIe expess lane 수 96

K3 series



KR3316ST
S2600STB / S2600STQ (QAT)
Xeon Scalable Processors
2개
4~28 (8~56)
9.6~10.4
C624 / C628
DDR4 ECC R/LR DIMM
16 DIMM (Processor per 6ch)
SAS / SATA
16 Bay / 3.5" and 2.5" Hot-swap 상판틀2.5" Fixed 2EA or 3.5" 1EA
-
2 Ports x 10Gb
Onboard 16MB VGA
IPMI 2.0 (옵션:RMM4 Lite key)
875W (1+1)
3U Rack
최대 PCIe expess lane 수 96

K3 series



KR4328ST
S2600STB / S2600STQ (QAT)
Xeon Scalable Processors
2개
4~28 (8~56)
9.6~10.4
C624 / C628
DDR4 ECC R/LR DIMM
16 DIMM (Processor per 6ch)
SAS / SATA
24 Bay / 3.5" and 2.5" Hot-swap 2 Bay / 2.5" rear Hot-swap
-
2 Ports x 10Gb
Onboard 16MB VGA
IPMI 2.0 (옵션:RMM4 Lite key)
975W (1+1)
4U Rack
최대 PCIe expess lane 수 96

K3 series



R1304CW
DBS2600CW2(S) DBS2600CWT(S)
E5-2600V3, V4 Series
2개
4~22 (8~44)
6.4~9.6
C612
DDR4 ECC R/LR DIMM
16 DIMM
SAS / SATA
4 Bay / 3.5"and 2.5" Hot-swap
2 ports x 1Gb or 10Gb
Onboard 16MB VGA
IPMI 2.0 (옵션-RMM4 Lite key)
500W(Fixed) / 650W(1+0)
1U Rack

K3 series



R2308CW
DBS2600CW2(S) DBS2600CWT(S)
E5-2600V3, V4 Series
2개
4~22 (8~44)
6.4~9.6
C612
DDR4 ECC R/LR DIMM
16 DIMM
SAS / SATA
8 Bay / 3.5" and 2.5" Hot-swap
2 ports x 1Gb or 10Gb
Onboard 16MB VGA
IPMI 2.0 (옵션-RMM4 Lite key)
650W (Fixed) / 875W (1+1)
2U Rack

K3 series



R2312CW
DBS2600CW2(S) DBS2600CWT(S)
E5-2600V3, V4 Series
2개
4~22 (8~44)
6.4~9.6
C612
DDR4 ECC R/LR DIMM
16 DIMM
SAS / SATA
12 Bay / 3.5" and 2.5" Hot-swap 2.5" Fixed 2EA
2 ports x 1Gb or 10Gb
Onboard 16MB VGA
IPMI 2.0 (옵션-RMM4 Lite key)
650W(1+1)
2U Rack

K3 series



R3316CW
DBS2600CW2(S) DBS2600CWT(S)
E5-2600V3, V4 Series
2개
4~22 (8~44)
6.4~9.6
C612
DDR4 ECC R/LR DIMM
16 DIMM
SAS / SATA
16 Bay / 3.5" and 2.5" Hot-swap 상판틀2.5" Fixed 2EA or 3.5" 1EA
2 ports x 1Gb or 10Gb
Onboard 16MB VGA
IPMI 2.0 (옵션-RMM4 Lite key)
875W(1+1)
3U Rack

K3 series



R4324CW
DBS2600CW2(S) DBS2600CWT(S)
E5-2600V3, V4 Series
2개
4~22 (8~44)
6.4~9.6
C612
DDR4 ECC R/LR DIMM
16 DIMM
SAS / SATA
24Bay / 3.5" and 2.5" Hot-swap 2 Bay / 2.5" rear Hot-swap
2 ports x 1Gb or 10Gb
Onboard 16MB VGA
IPMI 2.0 (옵션-RMM4 Lite key)
975W(1+1)
4U Rack

E3-1200V5, V6 Series





Feature	구 분	R1304SP	R1208SP
Board		S1200SPO	S1200SPO
프로세서	타입	E3-1200V6 Series	E3-1200V6 Series
	최대 장착 수	1개	1개
	Core	4 (8)	4 (8)
	QPI (GT/s)	-	-
Chipset		C236	C236
메모리	타입	DDR4 ECC UDIMM	DDR4 ECC UDIMM
	슬롯 / Max	4 DIMM	4 DIMM
HDD	타입	SAS / SATA	SAS / SATA
	Bays	4Bay / 3.5" and 2.5" Hot-swap	8Bay 2.5" Hot-swap
LAN		2 Ports 1Gb	2 Ports 1Gb
Video		Onboard 16MB VGA	Onboard 16MB VGA
시스템 관리		IPMI 2.0 (옵션－RMM4Lite key)	IPMI 2.0 (옵션-RMM4 Lite key)
전원 공급기		350W(fixed) / 450W(1+1)	450W(1+1)
폼팩터		1U Rack	1U Rack

Tower server





Feature	구 분	P4304CW	P4304ST
Board		DBS2600CW2(S) DBS2600CWT(S)	S2600STB S2600STQ (QAT)
프로세서	타입	E5-2600V3, V4 Series	Xeon Scalable Processors
	최대 장착 수	2개	2개
	Core	4~22 (8~44)	4~28 (8~56)
	UPI (GT/s)	6.4~9.6	6.4~10.4
Chipset		C612	C624 / C628
메모리	타입	DDR4 ECC R/LR DIMM	DDR4 ECC R/LR DIMM
	슬롯 / Max	16 DIMM	16 DIMM (Processor per 6ch)
HDD	타입	SAS / SATA	SAS / SATA / NVMe (S2600STB : OnBoard 4 Ports S2600STQ : OnBoard 2 Ports)
	Bays	4/8Bay 3.5" and 8/16 2.5" Hot-swap	4/8Bay 3.5" and 8/16 2.5" Hot-swap
	Storage technologies	None	Intel VMD for NVMe Intel VROC for NVMe (Option)
LAN		2 ports x 1Gb or 10Gb	2 ports x 1Gb or 10Gb
Video		Onboard 16MB VGA	Onboard 16MB VGA
시스템 관리		IPMI 2.0 (옵션-RMM4 Lite key)	IPMI 2.0 (옵션-RMM4 Lite key)
전원 공급기		550W fixed / 750W (1+1) / 1600W (1+1)	550W fixed / 750W (1+1) / 1600W (1+1)
폼팩터		4U Tower / Rack (옵션)	4U Tower / Rack (옵션)
확장옵션		-	최대 PCIe expess lane 수 96

K3 series	K3 series	K3 series	K3 series	K3 series		
						
R1304SP	R2308SP	KR2312SP	R3316SP	R4324SP	P4304SP	P4000XXSFDR
S1200SPS / S1200SPL	S1200SPS / S1200SPL	S1200SPS / S1200SPL	S1200SPS / S1200SPL	S1200SPS / S1200SPL	S1200SPS / S1200SPL	S1200SPS / S1200SPL
E3-1200V6 Series	E3-1200V6 Series	E3-1200V6 Series	E3-1200V6 Series	E3-1200V6 Series	E3-1200V5,V6 Series	E3-1200V6 Series
1개	1개	1개	1개	1개	1개	1개
4 (8)	4 (8)	4 (8)	4 (8)	4 (8)	4 (8)	4 (8)
-	-	-	-	-	-	-
C232 / C236	C232 / C236	C232 / C236	C232 / C236	C232 / C236	C232 / C236	C232 / C236
DDR4 ECC UDIMM	DDR4 ECC UDIMM	DDR4 ECC UDIMM	DDR4 ECC UDIMM	DDR4 ECC UDIMM	DDR4 ECC UDIMM	DDR4 ECC UDIMM
4 DIMM	4 DIMM	4 DIMM	4 DIMM	4 DIMM	4 DIMM	4 DIMM
SATA / SAS	SATA / SAS	SATA / SAS	SATA / SAS	SATA / SAS	SAS / SATA	SAS / SATA
4Bay / 3.5" and 2.5" Hot-swap 2Bay / 2.5" Fixed	8Bay / 3.5" and 2.5" Hot-swap	12Bay / 3.5" and 2.5" Hot-swap 2.5" Fixed 2EA	16Bay / 3.5" and 2.5" Hot-swap 상판틀2.5" Fixed 2EA or 3.5" 1EA	24Bay / 3.5" and 2.5" Hot-swap 2 Bay / 2.5" rear Hot-swap	4Bay(Fixed) / 4~8Bay (3.5" and 2.5" Hot-swap)	4~8Bay / 3.5" and 2.5" Hot-swap
2 Ports 1Gb	2 Ports 1Gb	2 Ports 1Gb	2 Ports 1Gb	2 Ports 1Gb	2 Ports 1Gb	2 Ports 1Gb
Onboard 16MB VGA	Onboard 16MB VGA	Onboard 16MB VGA	Onboard 16MB VGA	Onboard 16MB VGA	Onboard 16MB VGA	Onboard 16MB VGA
IPMI 2.0 (옵션－RMM4Lite key)	IPMI 2.0 (옵션－RMM4Lite key)	IPMI 2.0 (옵션－RMM4Lite key)	IPMI 2.0 (옵션－RMM4Lite key)	IPMI 2.0 (옵션－RMM4Lite key)	IPMI 2.0 (옵션－RMM4Lite key)	IPMI 2.0 (옵션－RMM4Lite key)
400W(fixed)	650W(Fixed) / 875W(1+1)	650W(Fixed) / 875W(1+1)	875W(1+1)	975W(1+1)	365W(Fixed)	460W(1+1)
1U Rack	2U Rack	2U Rack	3U Rack	4U Rack	4U Tower	4U Tower

Multi-mode Server

Taylor Pass / Kennedy Pass		Buchanan Pass			Adams Pass	
						
H2312XXKR2	H2216XXKR2	H2312XXLR3	H2224XXLR3	H2204XXLRE	H2312XXLR2	H2216XXLR2
HNS2600KP(F) HNS2600TP(F)	HNS2600KP(F) HNS2600TP(F)	HNS2600BPB / HNS2600BPS / HNS2600BPQ (QAT)	HNS2600BPB / HNS2600BPS / HNS2600BPQ (QAT)	HNS2600BPB / HNS2600BPS / HNS2600BPQ (QAT)	HNS7200APL (Liquid Cooling Support) HNS7200AP	HNS7200APL (Liquid Cooling Support) HNS7200AP
E5-2600V3, V4 Series	E5-2600V3, V4 Series	Xeon Scalable Processors (Fabric options 지원)	Xeon Scalable Processors (Fabric options 지원)	Xeon Scalable Processors (Fabric options 지원)	Intel Xeon Phi sesries only	Intel Xeon Phi sesries only
2개	2개	2개	2개	2개	1개	1개
6~14 / 6~28	6~14 / 6~28	4~28 (8~56)	4~28 (8~56)	4~28 (8~56)	64 ~ 68	64 ~ 68
6.4 / 7.2 / 8.0 / 9.6GT/s	6.4 / 7.2 / 8.0 / 9.6GT/s	9.6~10.4	9.6~10.4	9.6~10.4	-	-
C610 Chipset	C610 Chipset	C621 / C622 / C628	C621 / C622 / C628	C621 / C622 / C628	C610 Chipset	C610 Chipset
DDR4 ECC RDIMM & UDIMM	DDR4 ECC RDIMM & UDIMM	DDR4 ECC RDIMM & UDIMM	DDR4 ECC RDIMM & UDIMM	DDR4 ECC RDIMM & UDIMM	DDR4 ECC R/LR DIMM	DDR4 ECC R/LR DIMM
8 DIMM / 512GB for each node	8 DIMM / 512GB for each node	16 DIMM (Processor per 6ch)	16 DIMM (Processor per 6ch)	16 DIMM (Processor per 6ch)	6 DIMM	6 DIMM
SAS / SATA	SAS / SATA	SAS / SATA	SAS / SATA / NVMe (2 Per node)	SAS / SATA	SAS / SATA	SAS / SATA
12Bay / 3.5" Hot-swap	16Bay / 2.5" Hot-swap	12Bay / 3.5" and 2.5" Hot-swap	24Bay / 2.5" Hot-swap	4Bay / 2.5" Hot-swap	12Bay / 3.5" Hot-swap	16Bay / 3.5" Hot-swap
None	None	None	Intel VMD for NVMe Intel VROC for NVMe (Option)	None	None	None
2 ports x 1Gb	2 ports x 1Gb	2 Ports x 10Gb / 2 Ports x SFT+ ports / 2 Ports x 10Gb	2 Ports x 10Gb / 2 Ports x SFT+ ports / 2 Ports x 10Gb	2 Ports x 10Gb / 2 Ports x SFT+ ports / 2 Ports x 10Gb	2 ports x 1Gb	2 ports x 1Gb
Onboard 16MB Video card	Onboard 16MB Video card	Onboard 16MB VGA	Onboard 16MB VGA	Onboard 16MB VGA	Onboard 128MB VGA	Onboard 128MB VGA
IPMI 2.0 (옵션:RMM4 Lite)	IPMI 2.0 (옵션:RMM4 Lite)	IPMI 2.0 (옵션-RMM4 Lite key)	IPMI 2.0 (옵션-RMM4 Lite key)	IPMI 2.0 (옵션-RMM4 Lite key)	IPMI 2.0 (옵션:RMM4 Lite key)	IPMI 2.0 (옵션:RMM4 Lite key)
1600W (1+1)	1600W (1+1)	2130W (1+1)	2130W (1+1)	2130W (1+1)	2130W (1+1)	2130W (1+1)
2U Rack	2U Rack	2U Rack	2U Rack	2U Rack	2U Rack	2U Rack
-	-	최대 PCIe expess lane 수 96	최대 PCIe expess lane 수 96	최대 PCIe expess lane 수 96	-	-

Intel® Xeon® 프로세서 제원표

Processor Number	CPU FREQUENCY (GHz)	NUMBER OF CORES	LLC CACHE (MB)	POWER (W)	INTEL® QPI LINK SPEED (GT/s)	DDR4 MEMORY
E5-2600V4						
E5-2699 v4 ★	2.2	22/44	55	145	9.6	2400
E5-2698 v4 ★	2.2	20/44	50	135	9.6	2400
E5-2697A v4 ★	2.6	16/32	40	145	9.6	2400
E5-2697 v4	2.3	18/36	45	145	9.6	2400
E5-2695 v4	2.1	18/36	45	120	9.6	2400
E5-2690 v4	2.6	14/28	35	135	9.6	2400
E5-2687W v4	3.0	12/24	30	160	9.6	2400
E5-2683 v4	2.1	16/32	40	120	9.6	2400
E5-2680 v4	2.4	14/28	35	120	9.6	2400
E5-2667 v4 ★	3.2	8/16	25	135	9.6	2400
E5-2660 v4	2.0	14/28	35	105	9.6	2400
E5-2650 v4	2.2	12/24	30	105	9.6	2400
E5-2643 v4 ★	3.4	6/12	20	135	9.6	2400
E5-2640 v4	2.4	10/20	25	80	8.0	2133
E5-2637 v4 ★	3.5	4/8	15	135	9.6	2400
E5-2630 v4	2.2	10/20	25	85	8.0	2133
E5-2623 v4 ★	2.6	4/8	10	85	8.0	2133
E5-2620 v4	2.1	8/16	20	85	8.0	2133
E5-2609 v4	1.7	8/8	20	85	6.4	1866
E5-2603 v4	1.7	6/6	15	85	6.4	1866
E5-2650L v4 ★	1.7	14/28	35	65	9.6	2400
E5-2630L v4 ★	1.8	10/20	25	55	8.0	2133

Processor Number	CPU FREQUENCY (GHz)	NUMBER OF CORES	LLC CACHE (MB)	POWER (W)	INTEL® QPI LINK SPEED (GT/s)	DDR4 MEMORY
E5-2600V3						
E5-2699 v3 ★	2.3	18/36	45	145	9.6	2133
E5-2698 v3 ★	2.3	16/32	40	135	9.6	2133
E5-2697 v3	2.6	14/28	35	145	9.6	2133
E5-2695 v3	2.3	14/28	35	120	9.6	2133
E5-2690 v3	2.6	12/24	30	135	9.6	2133
E5-2687W v3	3.1	10/20	30	160	9.6	2133
E5-2683 v3 ★	2.0	14/28	35	120	9.6	2133
E5-2680 v3	2.5	12/24	30	120	9.6	2133
E5-2670 v3	2.3	12/24	30	120	9.6	2133
E5-2667 v3 ★	3.2	8/16	20	135	9.6	2133
E5-2660 v3	2.6	10/20	25	105	9.6	2133
E5-2650 v3	2.3	10/20	25	105	9.6	2133
E5-2650L v3 ★	1.8	12/24	30	65	9.6	2133
E5-2643 v3 ★	3.4	6/12	20	134	9.6	2133
E5-2640 v3	2.6	8/16	20	90	8.0	1866
E5-2637 v3 ★	3.5	4/8	15	135	9.6	2133
E5-2630 v3	2.4	8/16	15	85	8.0	1866
E5-2630L v3 ★	1.8	8/16	20	55	8.0	1866
E5-2620 v3	2.4	6/12	15	85	8.0	1866
E5-2623 v3 ★	3.0	4/8	15	105	8.0	1866
E5-2609 v3	1.9	6/6	15	85	6.4	1600
E5-2603 v3	1.6	6/6	15	85	6.4	1600

Class	Processor Number	Clock Speed (GHz)	Max # of cores/ Threads	Last Level Cache Size	TDP (Watts)	# of Internal Graphics Engines (GT)	Supported DDR4 Memory Speeds	INTEL® Turbo Boost Technology	INTEL® Hyper-Threading Technology
E3-1200V6									
	E3-1280v6	3.9	4/8	8MB	72W	0	2400	V	V
	E3-1275V6	3.8	4/8	8MB	73W	3	2400	V	V
	E3-1270V6	3.8	4/8	8MB	72W	0	2400	V	V
	E3-1245V6	3.7	4/8	8MB	73W	3	2400	V	V
	E3-1240V6	3.7	4/8	8MB	72W	0	2400	V	V
	E3-1230V6	3.5	4/8	8MB	72W	0	2400	V	V
	E3-1225V6	3.3	4/4	8MB	73W	3	2400	V	-
	E3-1220V6	3.0	4/4	8MB	73W	3	2400	V	-
E3-1200V5									
	E3-1280 v5 ★	3.7	4/8	8MB	80W	0	2133	V	V
	E3-1275 v5	3.6	4/8	8MB	80W	2	2133	V	V
	E3-1270 v5	3.6	4/8	8MB	80W	0	2133	V	V
	E3-1260L v5 ★	2.9	4/8	8MB	45W	0	2133	V	V
	E3-1245 v5	3.5	4/8	8MB	80W	2	2133	V	V
	E3-1240 v5	3.5	4/8	8MB	80W	0	2133	V	V
	E3-1240L v5 ★	2.1	4/8	8MB	25W	0	2133	V	V
	E3-1235L v5 ★	2.0	4/4	4MB	25W	2	2133	V	-
	E3-1230 v5	3.4	4/8	8MB	80W	0	2133	V	V
	E3-1225 v5	3.3	4/4	8MB	80W	2	2133	V	-
	E3-1220 v5	3.0	4/4	8MB	80W	0	2133	V	-
Xeon® Scalable Processors Fabric									
Platinum	8176F	2.1	28/56	38.5MB	173W	0	2666	V	V
Platinum	8160F	2.1	24/48	33MB	160W	0	2666	V	V
gold	6148F	2.4	20/40	27.5MB	160W	0	2666	V	V
gold	6142F	2.6	16/32	22MB	160W	0	2666	V	V
gold	6138F	2.0	20/40	27.5MB	135W	0	2666	V	V
gold	6130F	2.1	16/32	22MB	135W	0	2666	V	V
gold	6126F	2.6	12/24	19.25MB	135W	0	2666	V	V

Processor Number	CPU FREQUENCY (GHz)	NUMBER OF CORES	LLC CACHE (MB)	POWER (W)	INTEL® QPI LINK SPEED (GT/s)	DDR4 MEMORY
E5-1600V4						
E5-1680 v4 ★	3.4	8/16	20	1400	-	2400
E5-1660 v4 ★	3.2	8/16	20	1400	-	2400
E5-1650 v4	3.5	6/12	15	1400	-	2400
E5-1630 v4 ★	3.7	4/8	10	1400	-	2400
E5-1620 v4	3.5	4/8	10	1400	-	2400
E5-1600V3						
E5-1680 v3 ★	3.2	8/16	20	140	-	2133
E5-1660 v3 ★	3	8/16	20	140	-	2133
E5-1650 v3	3.5	6/12	15	140	-	2133
E5-1630 v3 ★	3.7	4/8	10	140	-	2133
E5-1620 v3	3.5	4/8	10	140	-	2133

★ Tray only

31xx (Bronze)	41xx (Silver)	51xx (Gold)	61xx (Gold)	81xx (Platinum)
Xeon® Scalable Processors				
3106 1.7G/8C/85W	4116 2.1G/12C/85W	5122 3.6G/4C/85W	★ 6136 3.0G/12C/150W	6148 2.4G/20C/150W	★ 6154 3.0G/18C/200W	★ 8168 2.7G/24C/205W	8180 2.5G/28C/205W
3104 1.7G/6C/85W	4114 2.2G/10C/85W	5120 2.2G/14C/105W	6134 3.2G/8C/130W	★ 6146 3.2G/12C/165W	6152 2.1G/22C/140W	8164 2.0G/26C/150W	8176 2.1G/28C/165W
	4112 2.6G/4C/85W	★ 5118 2.3G/12C/105W	★ 6132 2.66G/14C/140W	★ 6144 3.5G/8C/150W	★ 6150 2.7G/18C/165W	8160 2.1G/24C/150W	8170 2.1G/26C/165W
	4110 2.1G/8C/85W	★ 5115 2.4G/10C/85W	6130 2.1G/16C/125W	6142 2.6G/18C/150W		★ 8158 3.0G/12C/150W	
	4108 1.8G/8C/85W		6128 3.4G/6C/115W	6140 2.3G/18C/140W		★ 8156 3.6G/4C/105W	
			★ 6126 2.6G/12C/125W	6138 2.0G/20C/125W		★ 8153 2.0G/16C/125W	
- 2S-2UPI	- 2S-2UPI	- 2S-2UPI, 4S-2UPI	- 2S-2UPI, 2S-3UPI, 4S-2UPI, 4S-3UPI			- 2S-2UPI, 2S-3UPI, 4S-2UPI, 4S-3UPI, 8S-3UPI	
- 6-ch DDR4 @ 2133	- 6-ch DDR4 @ 2400	- 6-ch DDR4 @ 2400	- 6-ch DDR4 @ 2666			- 6-ch DDR4 @ 2666	
- 2 UPI links @ 9.6GT/s	- 2 UPI links @ 9.6GT/s	- 2 UPI links @ 10.4GT/s	- 3 UPI links @ 10.4GT/s			- 3 UPI links @ 10.4GT/s	
	- Intel Turbo Boost Technology - Intel HT Technology	- Intel Turbo Boost Technology - Intel HT Technology	- Intel Turbo Boost Technology - Intel HT Technology			- Intel Turbo Boost Technology - Intel HT Technology	
- Intel AVX-512 (1 512-bit FMA)	- Intel AVX-512 (1 512-bit FMA)	- Intel AVX-512(1 512-bit FMA)	- Intel AVX-512(2 512-bit FMA)			- Intel AVX-512(2 512-bit FMA)	
- 48 lanes PCIe* Gen3	- 48 lanes PCIe* Gen3	- 48 lanes PCIe* Gen3	- 48 lanes PCIe* Gen3			- 48 lanes PCIe* Gen3	
			- Node controller Support			- Node controller Support	
- Standard RAS	- Standard RAS	- Advanced RAS	- Advanced RAS			- Advanced RAS	

Intel® Solid-State Drive 제품 비교

Series	Capacity	Form Factor	Interface	Interface
Data Center -NVME				
P4600	1.6TB, 2TB, 3.2TB	2.5" 15mm	PCIe NVMe 3.1 x4	3D NAND TLC
	2TB, 4TB	HHHL (CEM3.0)	PCIe NVMe 3.1 x4	3D NAND TLC
P4500	1TB, 2TB, 4TB	2.5" 15mm	PCIe NVMe 3.1 x4	3D NAND TLC
	4TB	HHHL (CEM3.0)	PCIe NVMe 3.1 x4	3D NAND TLC
P4608	6.4TB	HHHL (CEM3.0)	PCIe NVMe 3.1 x4	
P3520	450, 1.2TB, 2TB	2.5" 15mm	PCIe NVMe 3.0 x4	3D NAND TLC
	1.2TB, 2TB	HHHL (CEM2.0)	PCIe NVMe 3.0 x4	3D NAND TLC
P4601	1TB, 2TB	M.2 22 x 80mm	PCIe NVMe 3.1 x4	3D NAND TLC
P4501	500G, 1TB, 2TB, 4TB	2.5" 7mm	PCIe NVMe 3.1 x4	3D NAND TLC
	500G, 1TB, 2TB, 4TB	M.2 22 x 110mm	PCIe NVMe 3.1 x4	3D NAND TLC
P3100	128G, 256G, 512G, 1TB	M.2 22 x 80mm	PCIe NVMe 3.0 x4	3D NAND TLC
D3700	800GB, 1.6TB	2.5" 15mm	PCIe NVMe 3.0 2x2 dual port	20nm NAND MLC
D3600	1TB, 2TB	2.5" 15mm	PCIe NVMe 3.0 2x2 dual port	20nm NAND MLC
610p	128G, 256G, 512G, 1TB	M.2 22 x 80mm	PCIe NVMe 3.0 x4	3D NAND TLC
600p	128G, 256G, 512G, 1TB	M.2 22 x 80mm	PCIe NVMe 3.0 x4	3D NAND TLC
Data Center - SATA				
S4600	240G, 480G, 960G, 1.92TB	2.5" 7mm	SATA 3.0 6Gb/S	3D NAND TLC
S4500	240G, 480G, 960G, 1.92TB, 3.84TB	2.5" 7mm	SATA 3.0 6Gb/S	3D NAND TLC
S3520	150G, 240G, 480G, 800G, 960G, 1.2TB, 1.6TB	2.5" 7mm	SATA 3.0 6Gb/S	20nm NAND MLC
	150G, 240G, 480G, 760G	M.2 22 x 80mm	SATA 3.0 6Gb/S	20nm NAND MLC
Consumer				
545s	128G, 256G, 512G, 1TB, 2TB	2.5" 7mm	SATA 3.0 6Gb/S	3D NAND TLC
	128G, 256G, 512G, 1TB	M.2 22 x 80mm	SATA 3.0 6Gb/S	3D NAND TLC
Intel® Optane™ SSD				
P4800X	375GB	HHHL	PCIe NVMe 3.0 x4	3D XPoint™

HHHL	2.5" 15mm	2.5" 7mm	M.2









Intel® RAID 제품

Data transfer rate	Product Name	RAID Level Supported	# of Ports Internal	# of Ports External	Embedded Memory
인텔® RAID 모듈					
SAS 3.0 (12Gb/s)	RMS3CC040	0, 1, 10, 5, 50, 6, 60	4	0	1GB
	RMS3CC080	0, 1, 10, 5, 50, 6, 60	8	0	1GB
	RMS3HC080	0, 1, 10, 5, 50 & JBOD	8	0	-
	RMS3JC080	0, 1, 1E, 10	8	0	-
	RMT3CB080	0, 1, 10, 5, 50, 6, 60	8	0	512MB
	RMT3PB080	0, 1, 10, 5, 50, 6, 60	8	0	512MB
	RMS3VC160	JBOD	16	0	None
	RMS3AC160	0, 1, 5, 6, 10, 50, 60	16	0	-
	RMSP3AD160F	0, 1, 10, 5, 50, 6, 60	16	0	4GB
	RMSP3CD080F	0, 1, 10, 5, 50, 6, 60	8	0	4GB
	RMSP3HD080E	0, 1, 10, 5	8	0	-
	RMSP3JD160J	JBOD Only	16	0	-
인텔® RAID 컨트롤러					
SAS 3.0 (12Gb/s)	RS3DC040	0, 1, 10, 5, 50, 6, 60	4	0	1GB
	RS3DC080	0, 1, 10, 5, 50, 6, 60	8	0	1GB
	RS3FC044	0, 1, 1E, 10	4	4	-
	RS3GC008	JBOD	0	8	-
	RS3MC044	0, 1, 10, 5, 50, 6, 60	4	4	1GB
	RS3GC008	0, 1, 10, 5, 50, 6, 60	0	8	1GB
	RS3UC080	0, 1, 1E, 10	8	0	-
	RS3WC080	0, 1, 10, 5, 50	8	0	-
	RT3WB080	0, 1, 10, 5, 50, 6, 60	8	0	256MB
	RS3UC080J	None	8	0	-
	RSP3DD080F	0, 1, 10, 5, 50, 6, 60	8	0	4GB
	RSP3GD016J	JBOD Only	0	16	-
	RSP3MD088F	0, 1, 10, 5, 50, 6, 60	8	8	4GB
	RSP3QD160J	JBOD Only	16	0	-
	RSP3TD160F	0, 1, 10, 5, 50, 6, 60	16	0	4GB
	RSP3WD080E	0, 1, 10, 5	8	0	-