

I.I Express5800/A1040c (1/2)

Product code			NE3300-090F			
CPU	CPU		Intel®Xeon® processor E7-8800/4800			
			E7-8890 v3	E7-8880 v3	E7-8870 v3	E7-4850 v3
	Clock speed		2.5GHz	2.3GHz	2.1GHz	2.2GHz
	Number of CPU, minimum/maximum		1/4			
	3rd cache		45MB			35MB
Number of cores (C) / Number of threads (T) per CPU		18C / 36T			14C / 28T	
Chipset			Intel® C602-J chipset			
Memory	Capacity, standard/maximum		Not pre-installed/ 4TB (64x64GB)			
	Memory module		DDR4-2133 Registered DIMM(8GB/16GB/32GB) / DDR4-2133 Load Reduced DIMM(32GB/64GB)			
	Maximum clock speed		1866MHz			
	Error check, correction		ECC, x4 SDDC(Independent mode), x4 DDDC(LockStep mode)			
	Rank sparing		Supported			
	Memory mirroring		Supported			
Auxiliary storage device	Hard disk drive	Internal (standard)	-			
		Internal (maximum)	HDD : SAS 14.4TB(8x 1.8TB), SSD : SAS 3.2TB(8x 400GB)			
		Hot plug	Supported			
	Interface / RAID level		SAS 12Gb/s : RAID 0 / 1 / 5 / 6 / 10 / 50 / 60			
	Optical disk drive		Internal (option)			
	Expansion bay		None			
	Expansion slots	Supported slots		14x PCI EXPRESS 3.0(x8 lane, x8 socket) (Low profile, 167.6mm in length) 2x PCI EXPRESS 3.0(x4 lane, x8 socket) (Low profile, 167.6mm in length)		
Graphics	Chip/Video RAM		Embedded in management controller chip / 8MB			
	Graphic display / resolution		16,770,000 colors: 640x480, 800x600, 1,024x768, 1,152x864, 1,280x1,024, 1,600x1,200			
Standard interface			5xUSB 2.0(3x front, 1x rear, 1x internal), 1x Analog RGB (Mini D-sub 15-pin)(1x front), 1xSUV (USBx2 / VGAX1 / serial x1)(1x rear)			
			1x Management LAN connector (1000BASE-T/100BASE-TX/10BASE-T supported, RJ45, 1x rear)			
Power supply unit			Not pre-installed / 4 units max.			
			800W or 1000W(*1) 80 PLUS® Platinum certified (hot-plug available)			
			AC 100/200V±10%, 50/60Hz			
Redundant power supply			Supported (hot-plug available)			
Redundant fan			Supported (standard, hot-plug available)			
External dimensions (width × depth × height)			Min:443.0 x 719.3 x 174.5 mm (w/o protuberance/inner rail) Max:482.6 x 891.0 x 175.5 mm (including protuberance/inner rail)			
Environmental requirements Temperature/Humidity			Operating: 10 to 40°C / 20 to 80%, Storage: -10 to 55°C / 20 to 80% (no condensation either when operating or when stored)			

*1 1000W when 100VAC is applied. 1200W when 200 VAC is applied.

1.2 Express5800/A1040c (2/2)

Product code			NE3300-090F			
CPU	CPU		Intel®Xeon® processor E7-8800/4800			
			E7-4820 v3	E7-4809 v3	E7-8891 v3	E7-8893 v3
	Clock speed		1.9GHz	2.0GHz	2.8GHz	3.2GHz
	Number of CPU, minimum/maximum		1/4			
	3rd cache		25MB	20MB	45MB	
Number of cores (C) / Number of threads (T) per CPU		10C / 20T	8C / 16T	10C / 20T	4C / 8T	
Chipset			Intel® C602-J chipset			
Memory	Capacity, standard/maximum		Not pre-installed/ 4TB (64x64GB)			
	Memory module		DDR4-2133 Registered DIMM(8GB/16GB/32GB) / DDR4-2133 Load Reduced DIMM(32GB/64GB)			
	Maximum clock speed		1866MHz			
	Error check, correction		ECC, x4 SDDC(Independent mode), x4 DDDC(LockStep mode)			
	Rank sparing		Supported			
	Memory mirroring		Supported			
Auxiliary storage device	Hard disk drive	Internal (standard)	-			
		Internal (maximum)	HDD : SAS 14.4TB(8x 1.8TB), SSD : SAS 3.2TB(8x 400GB)			
		Hot plug	Supported			
	Interface / RAID level		SAS 12Gb/s : RAID 0 / 1 / 5 / 6 / 10 / 50 / 60			
	Optical disk drive		Internal (option)			
	Expansion bay		None			
	Expansion slots	Supported slots		14x PCI EXPRESS 3.0(x8 lane, x8 socket) (Low profile, 167.6mm in length)		
2x PCI EXPRESS 3.0(x4 lane, x8 socket) (Low profile, 167.6mm in length)						
Graphics	Chip/Video RAM		Embedded in management controller chip / 8MB			
	Graphic display / resolution		16,770,000 colors: 640x480, 800x600, 1,024x768, 1,152x864, 1,280x1,024, 1,600x1,200			
Standard interface			5xUSB 2.0(3x front, 1x rear, 1x internal), 1x Analog RGB (Mini D-sub 15-pin)(1x front), 1xSUV (USBx2 / VGAx1 / serial x1)(1x rear)			
			1x Management LAN connector (1000BASE-T/100BASE-TX/10BASE-T supported, RJ45, 1x rear)			
Power supply unit			Not pre-installed / 4 units max.			
			800W or 1000W(*1) 80 PLUS® Platinum certified (hot-plug available)			
			AC 100/200V±10%, 50/60Hz			
Redundant power supply			Supported (hot-plug available)			
Redundant fan			Supported (standard, hot-plug available)			
External dimensions (width × depth × height)			Min:443.0 x 719.3 x 174.5 mm (w/o protuberance/inner rail) Max:482.6 x 891.0 x 175.5 mm (including protuberance/inner rail)			
Environmental requirements Temperature/Humidity			Operating: 10 to 40°C / 20 to 80%, Storage: -10 to 55°C / 20 to 80% (no condensation either when operating or when stored)			

*1 1000W when 100VAC is applied. 1200W when 200 VAC is applied.

1.3 Express5800/A2040c (1/2)

Product code			NE3400-090F / NE3400-091F(COPT model) / NE3400-092F(SAP HANA)			
CPU	CPU		Intel ®Xeon® processor E7-8800/4800			
			E7-8890 v3	E7-8880 v3	E7-8870 v3	E7-4850 v3
	Clock speed		2.5GHz	2.3GHz	2.1GHz	2.2GHz
	Number of CPU, minimum/maximum		2/4			
	3rd cache		45MB			35MB
		Number of cores (C) / Number of threads (T) per CPU		18C / 36T		14C / 28T
Chipset			Intel® C602-J chipset			
Memory	Capacity, standard/maximum		Not pre-installed/ 4TB (64x64GB)			
	Memory module		DDR4-2133 Registered DIMM(8GB/16GB/32GB) / DDR4-2133 Load Reduced DIMM(32GB/64GB)			
	Maximum clock speed		1866MHz			
	Error check, correction		ECC, x4 SDDC(Independent mode), x4 DDDC(LockStep mode)			
	Rank sparing		Supported			
	Memory mirroring		Supported			
Auxiliary storage device	Hard disk drive	Internal (standard)	-			
		Internal (maximum)	HDD : SAS 14.4TB(8x 1.8TB), SSD : SAS 3.2TB(8x 400GB)			
		Hot plug	Supported			
	Interface / RAID level		SAS 12Gb/s : RAID 0 / 1 / 5 / 6 / 10 / 50 / 60			
	Optical disk drive		Internal (option)			
	Expansion bay		None			
	Expansion slots	Supported slots		14x PCI EXPRESS 3.0(x8 lane, x8 socket) (Low profile, 167.6mm in length)		
2x PCI EXPRESS 3.0(x4 lane, x8 socket) (Low profile, 167.6mm in length)						
Graphics	Chip/Video RAM		Embedded in management controller chip / 8MB			
	Graphic display / resolution		16,770,000 colors: 640x480, 800x600, 1,024x768, 1,152x864, 1,280x1,024, 1,600x1,200			
Standard interface			5xUSB 2.0(3x front, 1x rear, 1x internal), 1x Analog RGB (Mini D-sub 15-pin)(1x front), 1xSUV (USBx2 / VGAX1 / serial x1)(1x rear)			
			2x Management LAN connector (1000BASE-T/100BASE-TX/10BASE-T supported, RJ45, 2x rear)			
Power supply unit			Not pre-installed / 4 units max.			
			800W or 1000W(*1) 80 PLUS® Platinum certified (hot-plug available)			
			AC 100/200V±10%, 50/60Hz			
Redundant power supply			Supported (hot-plug available)			
Redundant fan			Supported (standard, hot-plug available)			
External dimensions (width × depth × height)			Min:443.0 x 719.3 x 174.5 mm (w/o protuberance/inner rail) Max:482.6 x 892.5 x 175.5 mm (including protuberance/inner rail)			
Environmental requirements Temperature/Humidity			Operating: 10 to 40°C / 20 to 80%, Storage: -10 to 55°C / 20 to 80% (no condensation either when operating or when stored)			

*1 1000W when 100VAC is applied. 1200W when 200 VAC is applied.

1.4 Express5800/A2040c (2/2)

Product code			NE3400-090F / NE3400-091F(COPT model) / NE3400-092F(SAP HANA)			
CPU	CPU		Intel ®Xeon® processor E7-8800/4800			
			E7-4820 v3	E7-4809 v3	E7-8891 v3	E7-8893 v3
	Clock speed		1.9GHz	2.0GHz	2.8GHz	3.2GHz
	Number of CPU, minimum/maximum		2/4			
	3rd cache		25MB	20MB	45MB	
Number of cores (C) / Number of threads (T) per CPU			10C / 20T	8C / 16T	10C / 20T	4C / 8T
Chipset			Intel® C602-J chipset			
Memory	Capacity, standard/maximum		Not pre-installed/ 4TB (64x64GB)			
	Memory module		DDR4-2133 Registered DIMM(8GB/16GB/32GB) / DDR4-2133 Load Reduced DIMM(32GB/64GB)			
	Maximum clock speed		1866MHz			
	Error check, correction		ECC, x4 SDDC(Independent mode), x4 DDDC(LockStep mode)			
	Rank sparing		Supported			
	Memory mirroring		Supported			
Auxiliary storage device	Hard disk drive	Internal (standard)	-			
		Internal (maximum)	HDD : SAS 14.4TB(8x 1.8TB), SSD : SAS 3.2TB(8x 400GB)			
		Hot plug	Supported			
	Interface / RAID level		SAS 12Gb/s : RAID 0 / 1 / 5 / 6 / 10 / 50 / 60			
	Optical disk drive		Internal (option)			
	Expansion bay		None			
	Expansion slots	Supported slots		14x PCI EXPRESS 3.0(x8 lane, x8 socket) (Low profile, 167.6mm in length)		
2x PCI EXPRESS 3.0(x4 lane, x8 socket) (Low profile, 167.6mm in length)						
Graphics	Chip/Video RAM		Embedded in management controller chip / 8MB			
	Graphic display / resolution		16,770,000 colors: 640x480, 800x600, 1,024x768, 1,152x864, 1,280x1,024, 1,600x1,200			
Standard interface			5xUSB 2.0(3x front, 1x rear, 1x internal), 1x Analog RGB (Mini D-sub 15-pin)(1x front), 1xSUV (USBx2 / VGAx1 / serial x1)(1x rear)			
			2x Management LAN connector (1000BASE-T/100BASE-TX/10BASE-T supported, RJ45, 2x rear)			
Power supply unit			Not pre-installed / 4 units max.			
			800W or 1000W(*1) 80 PLUS® Platinum certified (hot-plug available)			
			AC 100/200V±10%, 50/60Hz			
Redundant power supply			Supported (hot-plug available)			
Redundant fan			Supported (standard, hot-plug available)			
External dimensions (width × depth × height)			Min:443.0 x 719.3 x 174.5 mm (w/o protuberance/inner rail) Max:482.6 x 892.5 x 175.5 mm (including protuberance/inner rail)			
Environmental requirements Temperature/Humidity			Operating: 10 to 40°C / 20 to 80%, Storage: -10 to 55°C / 20 to 80% (no condensation either when operating or when stored)			

*1 1000W when 100VAC is applied. 1200W when 200 VAC is applied.

1.5 Express5800/A2020c (1/2)

Product code			NE3400-071F	NE3400-072F	NE3400-073F	NE3400-074F
CPU	CPU		Intel®Xeon® processor E7-8800/4800			
			E7-8890 v3	E7-8880 v3	E7-8870 v3	E7-4850 v3
	Clock speed		2.5GHz	2.3GHz	2.1GHz	2.2GHz
	Number of CPU		2			
	3rd cache		45MB			35MB
		Number of cores (C) / Number of threads (T) per CPU		18C / 36T		14C / 28T
Chipset			Intel® C602-J chipset			
Memory	Capacity, standard/maximum		Not pre-installed/ 4TB (64x64GB)			
	Memory module		DDR4-2133 Registered DIMM(8GB/16GB/32GB) / DDR4-2133 Load Reduced DIMM(32GB/64GB)			
	Maximum clock speed		1866MHz			
	Error check, correction		ECC, x4 SDDC(Independent mode), x4 DDDC(LockStep mode)			
	Rank sparing		Supported			
	Memory mirroring		Supported			
Auxiliary storage device	Hard disk drive	Internal (standard)	—			
		Internal (maximum)	HDD : SAS 14.4TB(8x 1.8TB), SSD : SAS 3.2TB(8x 400GB)			
		Hot plug	Supported			
	Interface / RAID level		SAS 12Gb/s : RAID 0 / 1 / 5 / 6 / 10 / 50 / 60			
	Optical disk drive		Internal (option)			
	Expansion bay		None			
	Expansion slots	Supported slots		14x PCI EXPRESS 3.0(x8 lane, x8 socket) (Low profile, 167.6mm in length)		
2x PCI EXPRESS 3.0(x4 lane, x8 socket) (Low profile, 167.6mm in length)						
Graphics	Chip/Video RAM		Embedded in management controller chip / 8MB			
	Graphic display / resolution		16,770,000 colors: 640x480, 800x600, 1,024x768, 1,152x864, 1,280x1,024, 1,600x1,200			
Standard interface			5xUSB 2.0(3x front, 1x rear, 1x internal), 1x Analog RGB (Mini D-sub 15-pin)(1x front), 1xSUV (USBx2 / VGAx1 / serial x1)(1x rear)			
			2x Management LAN connector (1000BASE-T/100BASE-TX/10BASE-T supported, RJ45, 2x rear)			
Power supply unit			Not pre-installed / 4 units max.			
			800W or 1000W(*1) 80 PLUS® Platinum certified (hot-plug available)			
			AC 100/200V±10%, 50/60Hz			
Redundant power supply			Supported (hot-plug available)			
Redundant fan			Supported (standard, hot-plug available)			
External dimensions (width × depth × height)			Min:443.0 x 719.3 x 174.5 mm (w/o protuberance/inner rail) Max:482.6 x 892.5 x 175.5 mm (including protuberance/inner rail)			
Environmental requirements Temperature/Humidity			Operating: 10 to 40°C / 20 to 80%, Storage: -10 to 55°C / 20 to 80% (no condensation either when operating or when stored)			

*1 1000W when 100VAC is applied. 1200W when 200 VAC is applied.

1.6 Express5800/A2020c (2/2)

Product code			NE3400-075F	NE3400-076F	NE3400-077F	NE3400-078F
CPU	CPU		Intel®Xeon® processor E7-8800/4800			
			E7-4820 v3	E7-4809 v3	E7-8891 v3	E7-8893 v3
	Clock speed		1.9GHz	2.0GHz	2.8GHz	3.2GHz
	Number of CPU		2			
	3rd cache		25MB	20MB	45MB	
Number of cores (C) / Number of threads (T) per CPU			10C / 20T	8C / 16T	10C / 20T	4C / 8T
Chipset			Intel® C602-J chipset			
Memory	Capacity, standard/maximum		Not pre-installed/ 4TB (64x64GB)			
	Memory module		DDR4-2133 Registered DIMM(8GB/16GB/32GB) / DDR4-2133 Load Reduced DIMM(32GB/64GB)			
	Maximum clock speed		1866MHz			
	Error check, correction		ECC, x4 SDDC(Independent mode), x4 DDDC(LockStep mode)			
	Rank sparing		Supported			
	Memory mirroring		Supported			
Auxiliary storage device	Hard disk drive	Internal (standard)	-			
		Internal (maximum)	HDD : SAS 14.4TB(8x 1.8TB), SSD : SAS 3.2TB(8x 400GB)			
		Hot plug	Supported			
	Interface / RAID level		SAS 12Gb/s : RAID 0 / 1 / 5 / 6 / 10 / 50 / 60			
	Optical disk drive		Internal (option)			
	Expansion bay		None			
	Expansion slots	Supported slots		14x PCI EXPRESS 3.0(x8 lane, x8 socket) (Low profile, 167.6mm in length)		
2x PCI EXPRESS 3.0(x4 lane, x8 socket) (Low profile, 167.6mm in length)						
Graphics	Chip/Video RAM		Embedded in management controller chip / 8MB			
	Graphic display / resolution		16,770,000 colors: 640x480, 800x600, 1,024x768, 1,152x864, 1,280x1,024, 1,600x1,200			
Standard interface			5xUSB 2.0(3x front, 1x rear, 1x internal), 1x Analog RGB (Mini D-sub 15-pin)(1x front), 1xSUV (USBx2 / VGAX1 / serial x1)(1x rear)			
			2x Management LAN connector (1000BASE-T/100BASE-TX/10BASE-T supported, RJ45, 2x rear)			
Power supply unit			Not pre-installed / 4 units max.			
			800W or 1000W(*1) 80 PLUS® Platinum certified (hot-plug available)			
			AC 100/200V±10%, 50/60Hz			
Redundant power supply			Supported (hot-plug available)			
Redundant fan			Supported (standard, hot-plug available)			
External dimensions (width × depth × height)			Min:443.0 x 719.3 x 174.5 mm (w/o protuberance/inner rail) Max:482.6 x 892.5 x 175.5 mm (including protuberance/inner rail)			
Environmental requirements Temperature/Humidity			Operating: 10 to 40°C / 20 to 80%, Storage: -10 to 55°C / 20 to 80% (no condensation either when operating or when stored)			

*1 1000W when 100VAC is applied. 1200W when 200 VAC is applied.

1.7 Express5800/A2010c (1/2)

Product code			NE3400-081F	NE3400-082F	NE3400-083F	NE3400-084F
CPU	CPU		Intel®Xeon® processor E7-8800/4800			
			E7-8890 v3	E7-8880 v3	E7-8870 v3	E7-4850 v3
	Clock speed		2.5GHz	2.3GHz	2.1GHz	2.2GHz
	Number of CPU		1			
	3rd cache		45MB			35MB
		Number of cores (C) / Number of threads (T) per CPU		18C / 36T		14C / 28T
Chipset			Intel® C602-J chipset			
Memory	Capacity, standard/maximum		Not pre-installed/ 2TB (32x64GB)			
	Memory module		DDR4-2133 Registered DIMM(8GB/16GB/32GB) / DDR4-2133 Load Reduced DIMM(32GB/64GB)			
	Maximum clock speed		1866MHz			
	Error check, correction		ECC, x4 SDDC(Independent mode), x4 DDDC(LockStep mode)			
	Rank sparing		Supported			
	Memory mirroring		Supported			
Auxiliary storage device	Hard disk drive	Internal (standard)	—			
		Internal (maximum)	HDD : SAS 14.4TB(8x 1.8TB), SSD : SAS 3.2TB(8x 400GB)			
		Hot plug	Supported			
	Interface / RAID level		SAS 12Gb/s : RAID 0 / 1 / 5 / 6 / 10 / 50 / 60			
	Optical disk drive		Internal (option)			
	Expansion bay		None			
	Expansion slots	Supported slots		7x PCI EXPRESS 3.0(x8 lane, x8 socket) (Low profile, 167.6mm in length)		
2x PCI EXPRESS 3.0(x4 lane, x8 socket) (Low profile, 167.6mm in length)						
Graphics	Chip/Video RAM		Embedded in management controller chip / 8MB			
	Graphic display / resolution		16,770,000 colors: 640x480, 800x600, 1,024x768, 1,152x864, 1,280x1,024, 1,600x1,200			
Standard interface			5xUSB 2.0(3x front, 1x rear, 1x internal), 1x Analog RGB (Mini D-sub 15-pin)(1x front), 1xSUV (USBx2 / VGAx1 / serial x1)(1x rear)			
			2x Management LAN connector (1000BASE-T/100BASE-TX/10BASE-T supported, RJ45, 2x rear)			
Power supply unit			Not pre-installed / 4 units max.			
			800W or 1000W(*1) 80 PLUS® Platinum certified (hot-plug available)			
			AC 100/200V±10%, 50/60Hz			
Redundant power supply			Supported (hot-plug available)			
Redundant fan			Supported (standard, hot-plug available)			
External dimensions (width × depth × height)			Min:443.0 x 719.3 x 174.5 mm (w/o protuberance/inner rail) Max:482.6 x 892.5 x 175.5 mm (including protuberance/inner rail)			
Environmental requirements Temperature/Humidity			Operating: 10 to 40°C / 20 to 80%, Storage: -10 to 55°C / 20 to 80% (no condensation either when operating or when stored)			

*1 1000W when 100VAC is applied. 1200W when 200 VAC is applied.

1.8 Express5800/A2010c (2/2)

Product code			NE3400-085F	NE3400-086F	NE3400-087F	NE3400-088F	
CPU	CPU		Intel®Xeon® processor E7-8800/4800				
			E7-4820 v3	E7-4809 v3	E7-8891 v3	E7-8893 v3	
	Clock speed		1.9GHz	2.0GHz	2.8GHz	3.2GHz	
	Number of CPU		1				
	3rd cache		25MB	20MB	45MB		
		Number of cores (C) / Number of threads (T) per CPU		10C / 20T	8C / 16T	10C / 20T	4C / 8T
Chipset			Intel® C602-J chipset				
Memory	Capacity, standard/maximum		Not pre-installed/ 2TB (32x64GB)				
	Memory module		DDR4-2133 Registered DIMM(8GB/16GB/32GB) / DDR4-2133 Load Reduced DIMM(32GB/64GB)				
	Maximum clock speed		1866MHz				
	Error check, correction		ECC, x4 SDDC(Independent mode), x4 DDDC(LockStep mode)				
	Rank sparing		Supported				
	Memory mirroring		Supported				
Auxiliary storage device	Hard disk drive	Internal (standard)	—				
		Internal (maximum)	HDD : SAS 14.4TB(8x 1.8TB), SSD : SAS 3.2TB(8x 400GB)				
		Hot plug	Supported				
	Interface / RAID level		SAS 12Gb/s : RAID 0 / 1 / 5 / 6 / 10 / 50 / 60				
	Optical disk drive		Internal (option)				
	Expansion bay		None				
	Expansion slots	Supported slots		7x PCI EXPRESS 3.0(x8 lane, x8 socket) (Low profile, 167.6mm in length)			
2x PCI EXPRESS 3.0(x4 lane, x8 socket) (Low profile, 167.6mm in length)							
Graphics	Chip/Video RAM		Embedded in management controller chip / 8MB				
	Graphic display / resolution		16,770,000 colors: 640x480, 800x600, 1,024x768, 1,152x864, 1,280x1,024, 1,600x1,200				
Standard interface			5xUSB 2.0(3x front, 1x rear, 1x internal), 1x Analog RGB (Mini D-sub 15-pin)(1x front), 1xSUV (USBx2 / VGAx1 / serial x1)(1x rear)				
			2x Management LAN connector (1000BASE-T/100BASE-TX/10BASE-T supported, RJ45, 2x rear)				
Power supply unit			Not pre-installed / 4 units max.				
			800W or 1000W(*1) 80 PLUS® Platinum certified (hot-plug available)				
			AC 100/200V±10%, 50/60Hz				
Redundant power supply			Supported (hot-plug available)				
Redundant fan			Supported (standard, hot-plug available)				
External dimensions (width × depth × height)			Min:443.0 x 719.3 x 174.5 mm (w/o protuberance/inner rail) Max:482.6 x 892.5 x 175.5 mm (including protuberance/inner rail)				
Environmental requirements Temperature/Humidity			Operating: 10 to 40°C / 20 to 80%, Storage: -10 to 55°C / 20 to 80% (no condensation either when operating or when stored)				

*1 1000W when 100VAC is applied. 1200W when 200 VAC is applied.