

Intel® Server Board SE7230NH1-E Intel® Server Platform SR1475NH1-E Intel® Server Chassis SC5295UP & SR1475 Spares/Parts List and Configuration Guide – for Production Products

A reference guide to assist customers in ordering the necessary components to configure the Intel Server Board SE7230NH1-E with the Intel Server Chassis SC5295UP or SR1475 1U, and the Intel Server Platform SR1475NH1-E (Integrated 1U Platform)

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Rev 1.2 – Production Configuration Guide

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A. Board Description – SE7230NH1-E

Two SE7230NH1-E Board SKUs are available; the SE7230NH1 and the SE7230NH1LX.

Additionally, an integrated 1U server based on SE7230NH1LX will be available, along with a pedestal chassis SC5295UP and a 1U rack chassis SR1475

Listed below are the common features for both SE7230NH1 and SE7230NH1LX Server Boards

- Intel 7230 Server Chipset with ICH7R
- Support for DDR2 memory (400/533/667, unbuffered ECC or non-ECC)
- Support for dual Core Intel® Pentium 4 Processor, Intel® Pentium Processor Extreme Edition, and Intel® Pentium D Processor (LGA-775 socket)
- Dual integrated Intel GbE Ethernet Controllers
 - 82573E and 82541PI
- Integrated 4-port SATA – with Software RAID support for levels 0, 1 and 10.
- 1 @ PCI-E x8
- 1 @ PCI-E x4 (x1 bus)
- 2 PCI 32bit /33MHz slots
- Supported by Intel Server chassis - SC5295UP
- Intel Server Mgmt Version 8.x
- Boxed accessory kit including cables, appropriate documentation and CD's

Features on the SE7230NH1LX board only

- Intel Adaptive Slot supporting PCI-E x8 or PCI-X 64/133 (via riser card accessory)
- 1 dedicated PCI-X 64/133 slot
- Full support for SR1475 chassis including fan tachometer and system and post-code LED

Features on the SE7230NH1 board only

- Slot supporting PCI-E x8 (via riser card accessory)
 - 1 @ PCI-E x8 (x4 bus)

B. Production Integrated SKU Description

(Integrated SE7230NHLX server board and SR1475 1U server chassis)

One Integrated 1U rack SKU is available based on the SE7230NH1LX server board and SR1475 1U rack chassis

The **Intel Server Platform SE1475NH1** will include the following key features

- One SE7230NH1LX motherboard (identical to the standalone SE7230NH1LX motherboard features noted in section A above)
- One 350W Power Supply
- Five high performance fans
- Support for up to three fixed SATA drives (kit included)
- CD and Floppy tray assemblies
- Intel 1U Heatsink
- Rack handles, front panel board, duct/baffle
- 3 SATA Cables, CD

The following optional accessories are available for SR1475NH1LX 1U Integrated SKU

- Full height PCI-Express riser
- Full height “passive” PCI-X riser
- SATA backplane with 3 hard drive carriers (optional SATA backplane available as an additional accessory)
- SCSI backplane with 3 hard drive carriers (optional SCSI backplane available as an additional accessory)

C. Production Chassis Description (SC5295UP and SR1475)

The SE7230NH1 LX board will be supported by both SC5295UP and SR1475 chassis

The SE7230NH1 Board will be supported by the SC5295UP chassis only.

- SC5295UP Pedestal Server Chassis with 350W PSU, optimized for SE7230NH1-E UP server boards, supports (6) fixed drives, toolless fans, HDD, and (2) 5.25” peripheral bays. One piece bezel, rackable with rack accessory kit.

- SR1475 1U-Rack Server Chassis with 350W PSU, optimized for the SE7230NH1LX server board, supports (3) fixed drives, slimline CD/Floppy, optional 3 drive hot-swap SCSI or SATA backplane accessory (see order codes below)

D. SE7230NH1-E – Production Order Codes

Board SKUs

| Product Code | MM# | UPC | Description | Qty Per |
|--------------|--------|----------------|------------------------------------------------------------------------------------------------------------------|---------|
| SE7230NH1 | 872389 | 735858177245 | SE7230NH1 Server Board – Dual Core UP, DDR2 Capable with dual Intel GbE | 1 |
| SE7230NH1LX | 872388 | 735858177252 | SE7230NH1LX Server Board – Dual Core UP, DDR2 Capable with dual Intel GbE and with PXH-V and Intel Adaptive Slot | 1 |
| BNHBB | 872468 | 00735858178761 | OEM 10 pack of the SE7230NH1 Server Board | 10 |
| BNHBBLX | 872467 | 00735858178778 | OEM 10 pack of the SE7230NH1LX Server Board | 10 |

Integrated 1U SKUs

| Product Code | MM# | UPC | Description | Qty Per |
|--------------|--------|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| SR1475NH1 | 873808 | 00735858178440 | Integrated 1U System includes LX board installed in 1U chassis. DDR2 Capable with 1U Heatsink, 350W PS, system fans and cooling duct. (No power cord) | 1 |
| SR1475NH1NA | 874473 | 00735858178792 | Integrated 1U System includes LX board installed in 1U chassis. DDR2 Capable with 1U Heatsink, 350W PS, system fans and cooling duct. (Includes North American power cord) | 1 |

E. Chassis – Production Order Codes

Server Chassis SC5295UP and SR1475 Ordering Information

| Product Code | MM# | UPC | Description | Qty Per |
|--------------|--------|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| SC5295UP | 871836 | 00735858177498 | UP Pedestal chassis with 350W PSU. Optimized for SE7230NH1-E board, supports both LC and LX SKUs. Support for 6 fixed drives, rackable via rack conversion kit. (No power cord) | 1 |
| SC5295UPNA | 873615 | 00735858178099 | UP Pedestal chassis with 350W PSU. Optimized for SE7230NH1-E, supports both LC and LX SKUs. Support for 6 fixed drives, rackable via rack conversion kit. (Includes North American power cord) | 1 |
| SR1475 | 873809 | 00735858178433 | Supports the SE7230NH1LX SKU only, 1U rack chassis with 350W PSU. Support for 3 fixed drives. (No power cord) | 1 |
| SR1475NA | 874472 | 00735858178808 | Supports the SE7230NH1LX SKU only, 1U rack chassis with 350W PSU. Support for 3 fixed drives. (Includes North American power cord) | 1 |

E. Accessories and Spares – Order Codes

Optional Accessories for SR1475 Chassis and SE1475NH1 Integrated SKU

| Product Code | MM# | UPC | Description | Qty Per |
|--------------|--------|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| ABKPCIEXPUP | 864842 | 00735858169578 | 1U Full Height PCI-E Riser for SE7230NH1 or SE7230NH1 | 1 |
| ABKPCIXUP | 864844 | 00735858169585 | 1U Full Height PCI-X Riser for SE7230NH1LX | 1 |
| A1400SATAKIT | 871290 | 00735858164924 | SATA 1U Hotswap backplane, 1U flex cable, CDROM interposer 3 SATA cables, 3 HDD carriers. Note: Common accessory with SR1475 Chassis and SR1475NH1 integrated SKU | 1 |
| A1400SCSIKIT | 870610 | 00735858164917 | SCSI (1U) hotswap SCSI backplane. Contains SCSI backplane, Flex cable, SCSI cable, and drive carriers. | 1 |

| | | | | |
|---------------|--------|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
| AXXSCD | 856519 | 00735858169271 | Slimline CD-ROM drive | 1 |
| AXXSFLOPPY | 856444 | 00735858169288 | Slimline Floppy drive | 1 |
| ADWBEZBLACK* | 865064 | 00735858169110 | SR1400 1U black bezel with standard control panel | 1 |
| AXXHERAIL* | 856370 | 00735858164948 | SR1400/SR2400 – tool less rail kit. | 1 |
| AXXRACKCARM* | 866107 | 00735858167970 | Note: Cable management arm also available as below (AXXRACKCARM) Cable arm for SR1400/SR2400 tool less rail kit. Requires tool less rail kit accessory listed above (AXXHERAIL) | 1 |
| AXXBRACKETS* | 863262 | 00735858168618 | SR1400/SR2400 Rack Brackets. Set of brackets hard mount chassis to rack. | 1 |
| ABKSCSICABLE | 865884 | 00735858171793 | SCSI Cable for SR1425BK1-E– enables fixed SCSI drive capability | 1 |
| FXXDUP2PU350W | 880506 | | 350W Power Supply Spare.. RoHS compliant. | 1 |

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Optional Accessories for SC5295UP Server Chassis

| Product Code | MM# | UPC | Description | Qty Per |
|--------------|--------|----------------|----------------------------------------------------------------------------------------------------------|---------|
| APP3RACKIT | 871842 | 00735858177375 | Rack conversion kit for SC5295 chassis family. Includes rack rails and hardware for rack installation | 1 |
| APP3STDBEZEL | 871862 | 00735858177474 | Spare bezel with door for SC5295 chassis. | 1 |
| FXX350WPSU | 871868 | 00735858177382 | Spare 350W PSU for SC5295UP chassis | 1 |
| FXXPP3FPBRD | 871863 | 00735858177481 | Spare front panel for SC5295 chassis. Also can be used for SC5275 and Eden Prairie to improve acoustics. | 1 |

End of Configuration Guide

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