STL2 & SC5000 KDK

Configuration Guide

**A reference guide to assist customers in ordering the components
necessary to configure the STL2 & SC5000 Knock-Down-Kit products**

Revision 2.0 (March, 2001)

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Table of Contents

Production Boxed STL2 & SC5000 KDK Configuration Guide

1. Production Boxed STL2 Boards contain the following:

1   STL2 server board
1   Processor terminator for Uni-processor operation
1   I/O shield
1   Voltage Regulating Module (VRM) for Dual-processor operation
1   Ultra160 SCSI cable, IDE cable, & floppy cable
1   Adjustable stand-off
1   CD-ROM with Server Management Tools, Software Drivers, Configuration Tools, and Technical Product Information
1   Quick Start Guide

2. Three SC5000 KDK configurations will be offered, see below for details:
2a. Production SC5000 base KDKs contain the following:

1   SC5000 server chassis
2   Fans
1   300W PFC power supply
1   Front Panel
5   3.5" to 5.25" hard drive adapter trays
3   5.25" half-height removable media bays

2b. Or Production SC5000 hot-swap KDKs contain the following:

1   SC5000 server chassis
2   Fans
1   300W PFC power supply
1   Front Panel
2   3.5" to 5.25" hard drive adapter trays
1   Ultra160 SCSI backplane supporting 5 1" SCA drives
1   SCSI SAF-TE board
5   1" SCSI carriers with drive blanks (baffles)
3   5.25" half-height removable media bays

2c. Or Production SC5000 hot-swap redundant power KDKs contain the following:

1   SC5000 server chassis
2   Fans
1   350W 1+1 power supply
1   Front Panel
2   3.5" to 5.25" hard drive adapter trays
1   Ultra160 SCSI backplane supporting 5 1" SCA drives
1   SCSI SAF-TE board
5   1" SCSI carriers with drive blanks (baffles)
3   5.25" half-height removable media bays

3. The following necessary items are not contained in the STL2 or SC5000 KDK

Processors
Memory
Hard Disk Drives
CD ROM Drive
Floppy Drive

4a. To configure a Production STL2 system using the SC5000 base SKU, use the following table:

Product Codes	MM#	Min Order Qty	Description
STL2	830522	5	STL2 Production Boxed Board
KHDBASEU	830612	1	SC5000 base KDK
Not offered	-	-	CD ROM Drive (please order through your normal channels)
Not offered	-	-	Hard Disk Drive (please order through your normal channels)
Not offered	-	-	Floppy Drive (please order through your normal channels)
Not offered	-	-	Memory (please order through your normal channels)

4b. To configure a Production STL2 system using the SC5000 hot-swap SKU, use the following table:

Product Codes	MM#	Min Order Qty	Description
STL2	830522	5	STL2 Production Boxed Board
KHDHSU	830610	1	SC5000 hot-swap drive SKU
Not offered	-	-	CD ROM Drive (please order through your normal channels)
Not offered	-	-	Hard Disk Drive (please order through your normal channels)
Not offered	-	-	Floppy Drive (please order through your normal channels)
Not offered	-	-	Memory (please order through your normal channels)

4c. To configure a Production STL2 system using the SC5000 hot-swap redundant power SKU, use the following table:

Product Codes	MM#	Min Order Qty	Description
STL2	830522	5	STL2 Production Boxed Board
KHDHSRPU	830611	1	SC5000 hot-swap redundant power SKU
Not offered	-	-	CD ROM Drive (please order through your normal channels)
Not offered	-	-	Hard Disk Drive (please order through your normal channels)
Not offered	-	-	Floppy Drive (please order through your normal channels)
Not offered	-	-	Memory (please order through your normal channels)

5. Additional accessories available:

Product Codes	MM#	Min Order Qty	Description
AHDRACK	822735	1	**Pedestal-To-Rack conversion kit** containing: Rack Bezel, reorientation bracket, rack ears, slide rails, mounting screws, bottom panel
AHD2HSDRVUGU	830998	1	**10-hot-swap drives upgrade kit** containing: 1 Hotswap Drive Cage, 1 Hotswap Backplane, 5 Drive Carriers, manual, & cables. **Can only be used with KHDHSRPU** to provide a total of 10 hot-swap drives.
AXXHSDRVUGU	830999	1	**Hot-swap drives upgrade kit** containing: Hotswap Drive Cage, Hotswap Backplane, Drive Carriers, manual. **Used to convert KHDBASEU to KHDHSU**
FHDSPRSU	831000	1	**Channel Spares kit** containing: 92 mm system fan, 350W PS module, 350W PS housing, 300W PS, front panel, SCSI backplane, SAF-TE card, Alarm cable, Ultra160 cable, IPMI cable; all items individually shippable

Production OEM STL2 & SC5000 KDK Configuration Guide

1. STL2 Production OEM Boards contains the following:

1   STL2 server board

2. Three SC5000 KDK configurations will be offered, see below for details:

2a. Production SC5000 base KDKs contain the following:

1   SC5000 server chassis
2   Fans
1   300W PFC power supply
1   Front Panel
5   3.5" to 5.25" hard drive adapter trays
3   5.25" half-height removable media bays

2b. Or Production SC5000 hot-swap KDKs contain the following:

1   SC5000 server chassis
2   Fans
1   300W PFC power supply
1   Front Panel
2   3.5" to 5.25" hard drive adapter trays
1   Ultra160 SCSI backplane supporting 5 1" SCA drives
1   SCSI SAF-TE board
5   1" SCSI carriers with drive blanks (baffles)
3   5.25" half-height removable media bays

2c. Or Production SC5000 hot-swap redundant power KDKs contain the following:

1   SC5000 server chassis
2   Fans
1   350W 1+1 power supply
1   Front Panel
2   3.5" to 5.25" hard drive adapter trays
1   Ultra160 SCSI backplane supporting 5 1" SCA drives
1   SCSI SAF-TE board
5   1" SCSI carriers with drive blanks (baffles)
3   5.25" half-height removable media bays

3. The following necessary items are not contained in the STL2 or SC5000 KDK

Processor terminator for Uni-processor operation
I/O shield
Voltage Regulating Module (VRM) for Dual-processor operation
Ultra160 SCSI cable, IDE cable, & floppy cable
Adjustable stand-off
Processors
Memory
Hard Disk Drives
CD ROM Drive
Floppy Drive

4a. To configure a OEM STL2 system using the SC5000 base SKU, use the following table:

Product Codes	MM#	Min Order Qty	Description
BTLBB	830519	10	STL2 Production OEM Board
KHDBASEU	830612	1	SC5000 base KDK
ATLVRM	832363	10	Voltage Regulating Module (VRM) for Dual-processor operation
ATLTERM	832362	10	Processor terminator for Uni-processor operation
ABTIO	830762	50	I/O shield
Not offered	-	-	CD ROM Drive (please order through your normal channels)
Not offered	-	-	Hard Disk Drive (please order through your normal channels)
Not offered	-	-	Floppy Drive (please order through your normal channels)
Not offered	-	-	Memory (please order through your normal channels)

4b. To configure a OEM STL2 system using the SC5000 hot-swap SKU, use the following table:

Product Codes	MM#	Min Order Qty	Description
BTLBB	830519	10	STL2 Production OEM Board
KHDHSU	830610	1	SC5000 hot-swap drive SKU
ATLVRM	832363	10	Voltage Regulating Module (VRM) for Dual-processor operation
ATLTERM	832362	10	Processor terminator for Uni-processor operation
ABTIO	830762	50	I/O shield
Not offered	-	-	CD ROM Drive (please order through your normal channels)
Not offered	-	-	Hard Disk Drive (please order through your normal channels)
Not offered	-	-	Floppy Drive (please order through your normal channels)
Not offered	-	-	Memory (please order through your normal channels)

4c. To configure a OEM STL2 system using the SC5000 hot-swap redundant power SKU, use the following table:

Product Codes	MM#	Min Order Qty	Description
BTLBB	830519	10	STL2 Production OEM Board
KHDHSRPU	830611	1	SC5000 hot-swap redundant power SKU
ATLVRM	832363	10	Voltage Regulating Module (VRM) for Dual-processor operation
ATLTERM	832362	10	Processor terminator for Uni-processor operation
ABTIO	830762	50	I/O shield
Not offered	-	-	CD ROM Drive (please order through your normal channels)
Not offered	-	-	Hard Disk Drive (please order through your normal channels)
Not offered	-	-	Floppy Drive (please order through your normal channels)
Not offered	-	-	Memory (please order through your normal channels)

5. Additional accessories available:

Product Codes	MM#	Min Order Qty	Description
AHDRACK	822735	1	**Pedestal-To-Rack conversion kit** containing: Rack Bezel, reorientation bracket, rack ears, slide rails, mounting screws, bottom panel
AHD2HSDRVUGU	830998	1	**10-hot-swap drives upgrade kit** containing: 1 Hotswap Drive Cage, 1 Hotswap Backplane, 5 Drive Carriers, manual, & cables. **Can only be used with KHDHSRPU to provide a total of 10 hot-swap drives.**
AXXHSDRVUGU	830999	1	**Hot-swap drives upgrade kit** containing: Hotswap Drive Cage, Hotswap Backplane, Drive Carriers, manual. **Used to convert KHDBASEU to KHDHSU**
FHDSPRSU	831000	1	**Channel Spares kit** containing: 92 mm system fan, 350W PS module, 350W PS housing, 300W PS, front panel, SCSI backplane, SAF-TE card, Alarm cable, Ultra160 cable, IPMI cable; all items individually shippable

STL2 & SC5000 KDK SKU List

	Product Code	Current MM#	Description	Min. Order Qty.
Boards	BTLBB1BPP	830520	Tupelo OEM Beta PP baseboard	1
	BTLBB1SPP	830521	Tupelo OEM Silver PP baseboard	1
	STL2PP	830524	Tupelo Boxed Silver PP baseboard	1
	BTLBB	830519	Tupelo OEM baseboard	
	STL2	830522	STL2 (Tupelo) Server board with: I/O shield, VRM, terminator card, 1 IDE cable, 1 floppy cable, U160 SCSI cable, front panel cable, 2 fan adapter cables, software CD, documentation.	5
Accessories	ATLBOXKIT	834181	**STL2 Box kit** containing **10 units of each** of the following: I/O shield, terminator card, VRM, U160 SCSI cable, Software CD, documentation.	1
	ATLLPVRM	833987	**STL2 Low-profile VRM** for use in 1U configurations. **Contains 10 units each**	1
Spares	ABTIO	830762	I/O shield for use with Baytown/Tupelo	50
	ATLTERM	832362	Tupelo terminator for use in uni-proceor configurations	10
	ATLVRM	832363	Plug-in VRM for use in dual-processor configurations	10
	FTLFPCBL	832781	Tupelo FP Adaptor cable	1

	Product Code	Current MM#	Description	Minimum Qty Quantity
KDKs	KHDHSPP	822156	Hudson hot swap drive KDK - preproduction	1
	KHDBASEPP	822303	Hudson base pre production	1
	KHDBASE	822731	KHDBASE (Hudson) Chassis Knockdown Kit - base configuration. For use with the BOXL440GXH server boards. **This SKU is discontinued as of WW32 - Please order KHDBASEU instead. Pricing applies to existing channel inventory only.**	1
	KHDHS	822732	KHDHS (Hudson) Chassis Knockdown Kit with Hot Swap drives. For use with the BOXL440GXH server boards. **This SKU is discontinued as of WW32 - Please order KHDHSU instead. Pricing applies to existing channel inventory only.**	1
	KHDHSRP	822733	Hudson Chassis Knockdown Kit with HS drives,HS/RP power. For use with the BOXL440GXH server boards. **This SKU is discontinued as of WW32 - Please order KHDHSRPU instead. Pricing applies to existing channel inventory only.**	1
	KHDBASEU	830612	SC5000 (Hudson) Chassis Knockdown Kit - base configuration. For use with the **with STL2, & L440GX+**	1
	KHDHSU	830610	SC5000 (Hudson) Chassis Knockdown Kit with Hot Swap drives. **For use with the with STL2, & L440GX+**	1
	KHDHSRPU	830611	SC5000 (Hudson) Chassis Knockdown Kit with HS drives,HS/RP power. **For use with the with SBT2, STL2, & L440GX+**	1
Accessories	AXXHSDRVUG	823263	**Hot-swap drives upgrade kit containing**: 1 Hotswap Drive Cage, 1 Hotswap Backplane, 5 Drive Carriers, manual & cables. **Used to convert KHDBASE to KHDHSHotswap. This SKU is discontinued as of WW32 - Please order AXXHSDRVUGU instead. Pricing applies to existing inventory only.**	1
	AHD2HSDRVUG	829685	**10-hot-swap drives upgrade kit** containing: 1 Hotswap Drive Cage, 1 Hotswap Backplane, 5 Drive Carriers, manual, fan & cables. **Can only be used with KHDHSRP to provide a total of 10 hot-swap drives. This SKU is discontinued as of WW32 - Please order AHD2HSDRVUGU instead. Pricing applies to existing inventory only.**	1
	AXXHSDRVUGU	830999	**Hot-swap drives upgrade kit containing**: 1 Hotswap Drive Cage, 1 Hotswap Backplane, 5 Drive Carriers, manual & cables. **Used to convert KHDBASEU to KHDHSU Hotswap For use with the with SBT2, STL2, & L440GX+**	1
	AHD2HSDRVUGU	830998	**10-hot-swap drives upgrade kit** containing: 1 Hotswap Drive Cage, 1 Hotswap Backplane, 5 Drive Carriers, manual, & cables. **Can only be used with KHDHSRPU to provide a total of 10 hot-swap drives. For use with the with SBT2, STL2, & L440GX+**	1
	AHDRACK	822735	**Hudson pedestal-to-rack conversion kit**. Contains: Rack Bezel, reorientation bracket, rack ears, slide rails, bottom panel & necessary hardware	1
Spares	FHDSPRS	825107	Channel Spares kit containing: 92 mm system fan, 350W PS module, 350W PS housing, 300W PS, front panel, SCSI backplane, SAF-TE card, Alarm cable, Ultra160 cable, IPMI cable; all items individually shippable. **This SKU is discontinued as of WW32 - Please order FHDSPRSU instead.**	1
	FHDSPRSU	831000	Channel Spares kit containing: 92 mm system fan, 350W PS module, 350W PS housing, 300W PS, front panel, SCSI backplane, SAF-TE card, Alarm cable, Ultra160 cable, IPMI cable; all items individually shippable.	1
	AIOATX	818475	I/O shield	50
	FHD300PS	825104	Power supply,300W	1
	FHDALRMCBL	823365	Alarm cable for Hudson, for lost, damaged cable	10
	FHDBEZPED	823368	Hudson Pedestal bezel; replaces damaged bezel	1
	FHDBEZRACK	823370	Hudson Rack bezel; replaces damaged bezel	1
	FHDBTTM	823372	Sheet metal bottom panels for Hudson; replace damaged parts	10
	FHDDRVBLANK	824578	Covers unused HDD openings on Hudson; can be lost or damaged in handling	40
	FHDDRVCARR	823375	1" SCSI Drive carrier; replaces lost/damaged carrier	10
	FHDEPAC	825105	Top & Bottom EPAC fan air duct	1
	FHDEYE2C	823392	I2C cable for internal connection to HSBP	10
	FHDFAN	825106	Main chassis fan for Hudson replaces failed unit	1
	FHDFEET	823396	Feet for pedestal configuration	10
	FHDFRNTPNL	823394	Hudson front panel board	1
	FHDHWKT	823393	3 sets of drive rails, screws for mounting baseboard, floppy, 5 1/4" peripherals, & feet	1
	FHDLVDSCBL	823391	LVD SCSI cable for internal connection to HSBP	10
	FHDPKG	823390	External packaging for reshipping or replace damaged packaging	1
	FHDSAFTE	823389	Hudson LVDS hot swap SCSI backplane	1
	FHDSCSBRD	823388	Hudson LVDS hot swap SCSI SAF_TE	1
	FHDSDE	823386	Sheet metal side panels for Hudson; replace damaged parts	10
	FHDSHRD	823387	Hudson's HSBP fans are attached to this plastic shroud; attaches to back of HDD cage	10
	FHDTP	823385	Sheet metal top panels for Hudson; replace damaged parts	10
	FXX350HSE	823934	Housing, Power Supply, 350 1+1	1
	FXX350MDUL	823933	Module, Power Supply, 350 1+1	1
	FXXGURM001	828386	Grounded Universal Retention Mechanism	10
	FXXTERM133	828965	Termination card for 133 FSB processors	20
	AXXEXTSCSICBL	830656	Accessory: External SCSI cable kit - package of 5 cable kits	1
	AHDDCARR5BLK	827933	Spare 1" hot swap SCSI hard drive carrier with black handle	5