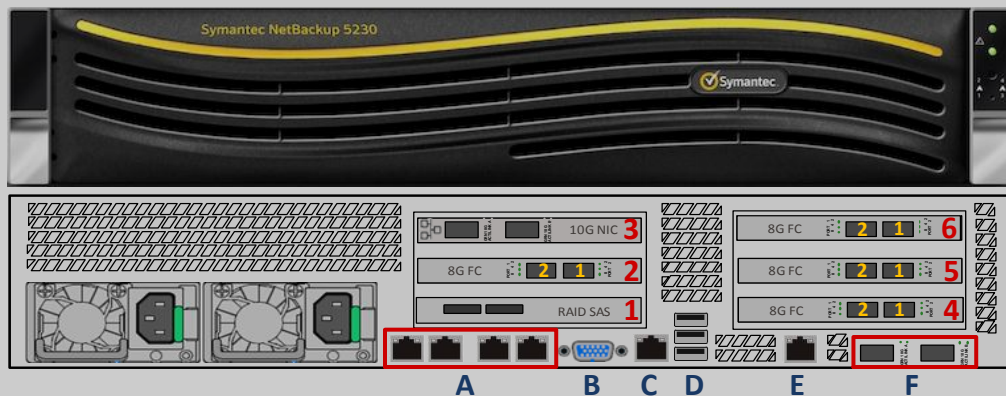


NetBackup 5230 Quick Reference Card

Have questions regarding Symantec Consulting Services?
Check out Symantec's "Ask Consulting"
ask_consulting_americas@symantec.com

NetBackup 5230 Appliance Diagram



Series	Slot 1	Slot 2	Slot 3	Slot 4	Slot 5	Slot 6
5230 A – Base + Storage Expansion	SAS RAID Controller	Empty	Empty	Empty	Empty	Empty
5230 B – Standard + Storage Expansion	SAS RAID Controller	Empty	Empty	2 x 8G FC HBA	Empty	Empty
5230 C – Enhanced + Storage Expansion	SAS RAID Controller	Empty	2 x 10GB Opt Eth	2 x 8G FC HBA	Empty	Empty
5230 D – Maximum + Storage Expansion	SAS RAID Controller	2 x 8G FC HBA	2 x 10GB Opt Eth	2 x 8G FC HBA	2 x 8G FC HBA	2 x 8G FC HBA
5230 E – FT Media Server + Storage Expansion	SAS RAID Controller	2 x 8G FC HBA	2 x 8G FC HBA	2 x 8G FC HBA	2 x 8G FC HBA	2 x 8G FC HBA

FC HBA Functionality

	FT SAN Client	Optimized Duplication	Tape Out	VMware
*	-	Yes	Yes	Yes
**	Yes (Port 1 Target, Port 2 Initiator)	Yes (Port 2)	-	Yes (Port 2)

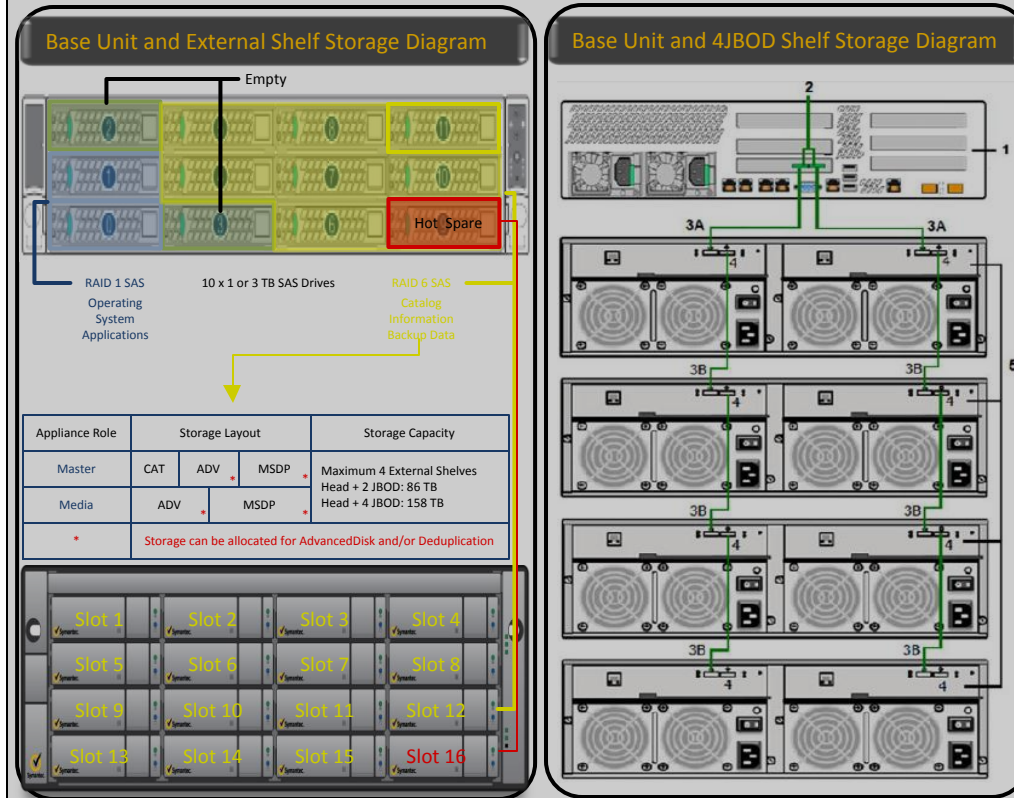
- By default all HBA Fibre Channel ports are configured as Initiator unless configured as a FTMS for Models D and E.
- SFP Modules available for the Appliance is a multimode "Short Range" version. It will work well with OM3 50/125 multimode fiber optic cables that are compliant with ISO/IEC 11801 standards.

Port	Description	Purpose
A	4x1Gb Ethernet	Left to Right: eth0 – eth3
B	VGA	DB-15 Port to connect a Monitor
C	Serial Port	Reserved
D	3 x USB Ports	USB 3.0 Ports
E	IPMI (1Gb)	RMM4 for IPMI
F	2x10Gb Ethernet	10Gb Ethernet (eth4 and eth5)

Base Unit Hardware Specifications

- 19-inch, 2U rack-mount server with dual Intel Xeon 2.0GHz E5-2620 processors (6 Cores per CPU)
- 64 or 128GB RAM
- Onboard Intel RS25S8008 RAID Controller
- Embedded 4 x 1 Gbps Ethernet ports
- Embedded 2 x 10Gb Ethernet ports
- Max Power 750 Watts
- 7 Amps at 100-127V or 3.5 Amps at 200-240V
- Typical Cooling 1,416 BTU/hour
- Max Cooling 2,562 BTU/hour
- 10 x 1TB SAS Disk Drives
 - 2 x 1TB for OS Partition (RAID 1)
 - 1 x 1TB Used for Hot-spare
 - 7 x 1TB for Data Partition (RAID 6 - 4TB formatted storage) or 7 x 3TB for Data Partition (RAID 6 -14TB formatted storage)
- Optional Dual Port SAS RAID Controller (Slot 1)
- Optional QLogic QLE-2562 FC HBA (Slots 2-6)

NetBackup 5230 Appliance Storage Diagram



Supported Storage Configuration for 52x0 Pre 2.6.0.1

Head Unit	Appliance with 1 Storage Shelf		Appliance with 2 Storage Shelf	
4 TB	4 TB	24 TB	24 TB	52 TB*
1 TB Disk	4 TB	36 TB	36 TB	64 TB*
2 TB Disk	4 TB	36 TB	36 TB	76 TB*

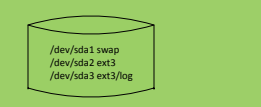
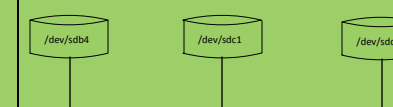
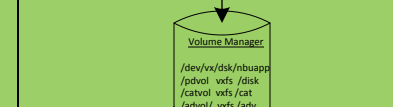
Supported Storage Configuration for 52x0 in 2.6.0.1

Head Unit	Appliance with 1 Storage Shelf		Appliance with 2 Storage Shelf	
4 TB	4 TB	24 TB	24 TB	52 TB*
14 TB	4 TB	36 TB	36 TB	64 TB*
1 TB Disk	14 TB	36 TB	36 TB	76 TB*
2 TB Disk	14 TB	36 TB	36 TB	86 TB*

Supported Storage Configuration for 52x0 starting 2.6.0.2

Head Unit	Head + JBODs Storage Capacity		Other JBODs Storage Combinations	
14 TB	Head + 1 JBOD	14 TB, 36 TB, 50 TB*	Appliances	Int. Storage(TB)
3 TB Disk	Head + 2 JBOD	14 TB, 36 TB, 36 TB, 86 TB*	52x0	4
	Head + 3 JBOD	14 TB, 36 TB, 36 TB, 36 TB, 122 TB*	52x0	4
	Head + 4 JBOD	14 TB, 36 TB, 36 TB, 36 TB, 36 TB, 158 TB*	52x0	4

NetBackup 5230 w/(1) Storage Shelf - Storage System

Physical	RAID	Block Device
<ul style="list-style-type: none"> OS Drives / 3.5" SAS RAID 1 Mirrored – Head Unit Slot 0,1 – 1 TB Disk 	<ul style="list-style-type: none"> Adaptor 2 Intel Embedded Server RAID Technology II Software Raid RAID 1 Mirror 	
<ul style="list-style-type: none"> Storage Drives / 3.5" SAS drives – Head Unit* Slot 4 thru 10 – 1/3 TB Disk Slot 9 – Hot spare 	<ul style="list-style-type: none"> Adaptor 1 Integrated Intel RAID Controller SROMBSASMP2 RAID 6 Maintenance Free Backup Unit - MFBU (Super capacitor + NVRAM) 	
<ul style="list-style-type: none"> JBOD Drives / 3.5" SAS drives – External Storage Shelf Slot 1 thru 15 – 2/3 TB Disk Slot 16 – Hot Spare 	<ul style="list-style-type: none"> Adaptor 0 Intel RAID Controller RS2PI00S PCIe Card (Slot 1 only) RAID 6 MFBU on PCIe card 	

* Don't use head unit storage for MSDP to avoid re-hydration performance issues.

- ### Documentation
- NetBackup Appliances Landing Page: <http://www.symantec.com/business/support/index?page=landing&key=58991>
 - NetBackup 5230 Appliance Documentation: <http://www.symantec.com/docs/DOC2792>
 - NetBackup 5xxx Appliance Series Late Breaking News: <http://www.symantec.com/docs/TECH145136>
 - NetBackup 5xxx Appliance Patches Page: <http://www.symantec.com/docs/TECH150251>
 - NetBackup Hardware Compatibility Guide: <http://www.symantec.com/docs/TECH76495>

- ### Contact Business Support
- Symantec strives in providing our top class customers the best Technical Support Experience in the industry. We provide several options for our customers when seeking assistance.
- Self Help – Find product User Guides, Release Notes, "How To" articles and technical answers online
 - Symantec Connect – To post a question in our product forums
 - MySupport – Open and Manage Technical Support Case Online
 - Technical Help by Phone
- To review the available Support Options reference the link below.
http://www.symantec.com/support/contact_techsupp_static.jsp

- ### Supported NetBackup 5230 Appliance Versions
- 2.5 (7.5.0.2), 2.5.2 (7.5.0.5), 2.5.3 (7.5.0.6), 2.5.4 (7.5.0.7), 2.6.0.1 (7.6.0.1), 2.6.0.2