Internal use only IBM NAS Product Comparison Table 07/09/02	IBM NAS 100 Model R12	IBM NAS 200 Model 201	IBM NAS 200 Model 226	IBM NAS 300	IBM NAS 300G
					
Models	5190-R12 (1U)	5194-201 (tower)	5194-226 (rack)	5195-326 (rack)	5196-G01/G26
Scalability	480GB	109.2GB to 1.69TB	109.2GB to 3.52TB	109.2GB to 6.61TB	11 TB/22 TB of SAN-attached storage
Engines	1 nonclustered	1 nonclustered	1 nonclustered	2 clustered	1 / 2 (clustered)
Processors	One 1.26-GHz Pentium III with 133-MHz front-side bus	Up to two 1.13-GHz Pentium III with 133-MHz front-side bus	Two 1.13-GHz Pentium III with 133-MHz front-side bus	Dual 1.13 GHz Pentium III per engine with133-MHz front-side bus	Dual 1.13-GHz Pentium III per engine with 133-MHz front-side bus
I/O	File I/O Windows (CIFS), UNIX (NFS), HTTP, FTP, Apple File protocol and NetWare	File I/O Windows (CIFS), UNIX (NFS), HTTP, FTP, Apple File protocol and NetWare	File I/O Windows (CIFS), UNIX (NFS), HTTP, FTP, Apple File protocol and NetWare	File I/O Windows (CIFS), UNIX (NFS), HTTP, FTP, Apple File protocol and NetWare	File I/O Windows (CIFS), UNIX (NFS), HTTP, FTP, Apple File protocol and NetWare
Operating System	Windows OS	Windows OS	Windows OS	Windows OS	Windows OS
Performance	48 MB/sec Windows	41 MB/sec Windows	53.7 MB/sec Windows	109 MB/sec Windows 6640 ops/sec UNIX	Up to 104 MB/sec Windows, up to 6403 ops/sec UNIX
PCI slots available	1	4	4	4/engine	5/engine
Network connectivity (total) single 10/100/ 1000 Base-T Ethernet ports	2 (std)	1 (std), 7 (opt)	1 (std), 7 (opt)	0 (std), 4/engine (opt)	1 std/(nonclustered)/ 0 (clustered) 4/engine (opt)
Quad 10/100 Base-T Ethernet ports		1 (opt)	1 (opt)	1 (opt)/engine	1 /2 (opt)
Gigabit Ethernet Ports	2 (std)	2 (opt)	2 (opt)	2 (opt)/engine	2 /4(opt)
ECC SDRAM Memory (max)	512KB	Up to 2.5 GB	Up to 3 GB	Up to 2 GB per engine (4 GB total)	Up to 2 GB per engine
Protocol Attachment to HDD	ATA	SCSI	SCSI	Fibre Channel	Fibre Channel
Data Protection	250 Persistent True Image Data Views, instant volume restoration	250 Persistent True Image Data Views, instant volume restoration	250 Persistent True Image Data Views, instant volume restoration	250 Persistent True Image Data Views, instant volume restoration	250 Persistent True Image Data Views, instant volume restoration
Redundancy / High Availability	Hot swap, redundant disk drives, two failover Gigabit Ethernet controllers, OS failover/OS mirroring	Hot swap, redundant power supplies and disk drives, Integrated Systems Management (Advanced Systems Management processor light-path diagnostics, predictive failure analysis, automated paging)	Hot swap, redundant power supplies and disk drives, Integrated Systems Management (Advanced Systems Management processor light-path diagnostics, predictive failure analysis, automated paging)	Dual engines, hot swap, redundant power supplies and disk drives, Integrated Systems Management (Advanced Systems Management processor light-path diagnostics, predictive failure analysis, automated paging) dual OS hard drives	Dual engines, hot swap, redundant power supplies and disk drives, Integrated Systems Management (Advanced Systems Management processor light-path diagnostics, predictive failure analysis, automated paging) - Dual OS with RAID level 1
RAID	0, 1, 5 Software RAID	0, 1, 1E, 5, 5E, 00, 10, 1E0, 50	0, 1, 1E, 5, 5E, 00, 10, 1E0, 50	0, 1, 3, 5	SAN Disk Dependent
Systems Mgmt	IBM Director Agent, TSM client, UMS, SNMP, CIM, ASF, Microsoft Terminal Services	IBM Director Agent, TSM client, UMS, SNMP, CIM, Microsoft Terminal Services	IBM Director Agent, TSM client, UMS, SNMP, CIM, Microsoft Terminal Services	IBM Director Agent, TSM client, UMS, SNMP, CIM, Microsoft Terminal Services	IBM Director Agent, TSM client, UMS, SNMP, CIM, Microsoft Terminal Services