

Segment Boards

NEW

VIA NAS 7800

CD-ROM Size Board for Storage Server with C7[®], 8 SATA, Compact Flash, USB 2.0 and GigaLAN

Features

- Supports one VIA VT6130 PCIe Gigabit Ethernet Controller (one more VIA VT6122 PCI Gigabit Ethernet for NAS 7800-15LST)
- Supports one Compact Flash type I slot
- Supports one 32-Bit MiniPCI slot for NAS 7800-15LST
- Supports four SATA 3 Gbps (for NAS 7800-15T); or eight SATA 3 Gbps (for NAS 7800-15LST)
- Supports four USB 2.0 ports
- Supports 12V DC-In (optional)
- Onboard TPM (Trusted Platform Module)



Board Placement

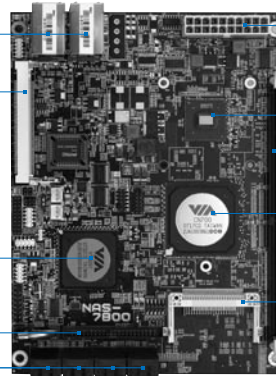
Gigabit Ethernet

Mini PCI

VIA VT8251 South Bridge

IDE ATA133/100

8 x SATA



ATX power connector

VIA C7[®] processor

DDR2 400/533/667 SDRAM DIMM

VIA CN700 North Bridge

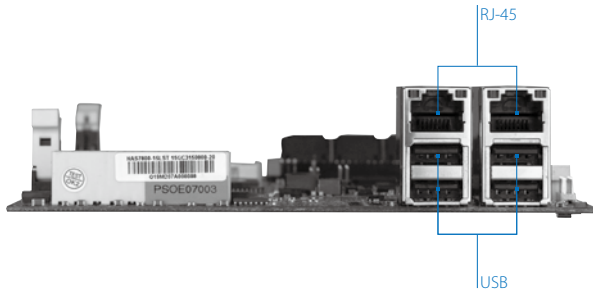
Compact Flash Type I

Specifications

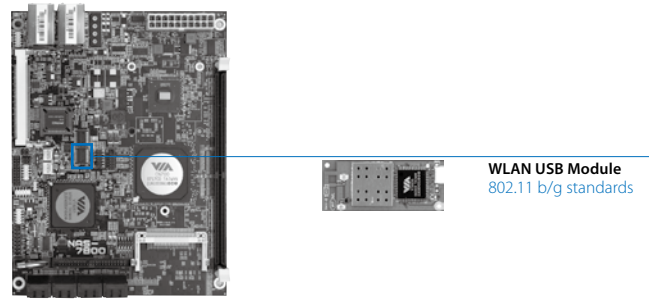
Model Name	NAS 7800-15T	NAS 7800-15LST
Processor	1.5GHz VIA C7 [®]	1.5GHz VIA C7 [®]
Chipset	VIA CN700 North Bridge VT8251 South Bridge	VIA CN700 North Bridge VT8251 South Bridge
Onboard LAN	1 x VIA VT6130 PCIe Gigabit Ethernet Controller	1 x VIA VT6130 PCIe Gigabit Ethernet Controller 1 x VIA VT6122 PCI Gigabit Ethernet Controller
System Memory	1 x DDR2 400/533/667* DIMM socket. Up to 1GB memory size	
VGA	Integrated VIA UniChrome™ Pro graphics with 2D/3D and MPEG-2 video accelerations	
Onboard IDE	1 x UltraDMA 133/100/66 Connector (2.0mm pitch/44pins)	
Expansion Slots	1 x Compact Flash type-I slot (Master/Slave selectable) 1 x 32-Bit Mini PCI slot (for NAS 7800-15LST)	
Onboard TPM	Infineon SLB9635TT 1.2 (Trusted Platform Module)	
Onboard I/O Connectors	1 x VGA pin header 1 x USB pin header for 2 USB ports (1 USB port supports WLAN control) 2 x Serial port pin connectors (COM1 is powered & selectable with 5V/12V) 2 x Fan pin connectors: CPU/Sys FAN 1 x PS2 keyboard and mouse pin connector 1 x DIO pin for 16 GPIO (Supported with hardware interrupt function) 1 x MFX connector 1 x Front panel pin connector 2 x LAN LEDs 1 x ATX power connector (manufacturing option for 12V DC-In) 4 x SATA (3 Gbps) connectors (for NAS 7800-15T) 8 x SATA (3 Gbps) connectors (for NAS 7800-15LST, with one extra SATA controller Marvell 88SE6145 to have 4 more SATA ports) 1 x SATA LED (for NAS 7800-15T); 5 x SATA LEDs (for NAS 7800-15LST)	
Back Panel I/O	2 x RJ-45 LAN ports (1 RJ-45 for NAS 7800-15T) 4 x USB 2.0 ports	
BIOS	Award BIOS, LPC 4/8Mbit flash memory	
Operating System	Windows 2000/XP, Linux, XPe	
System Monitoring & Management	Wake-on LAN, Wake-on Alarm, Watch Dog Timer System power management, AC power failure recovery	
Operating Temperature	0 ~ 60 ° C	
Operating Humidity	0% ~ 95% (relative humidity; non-condensing)	
Form Factor	14.3 cm x 19 cm (DVD-ROM like size)	

* DDR2 667 MHz memory module can be supported, but the effective speed will be 533 MHz.

Back Panel I/O



Accessories



Ordering Information

Model Name	CPU Frequency	Description
NAS 7800-15T	1.5GHz C7®	Board for Storage Server with 1.5GHz C7®, 1 x GigaLAN, 4 x SATA 3Gbps, TPM, CF
NAS 7800-15LST	1.5GHz C7®	Board for Storage Server with 1.5GHz C7®, 2 x GigaLAN, 8 x SATA 3Gbps, Mini PCI, TPM, CF

Block Diagram

