

Segment Series

VIA NAS7040

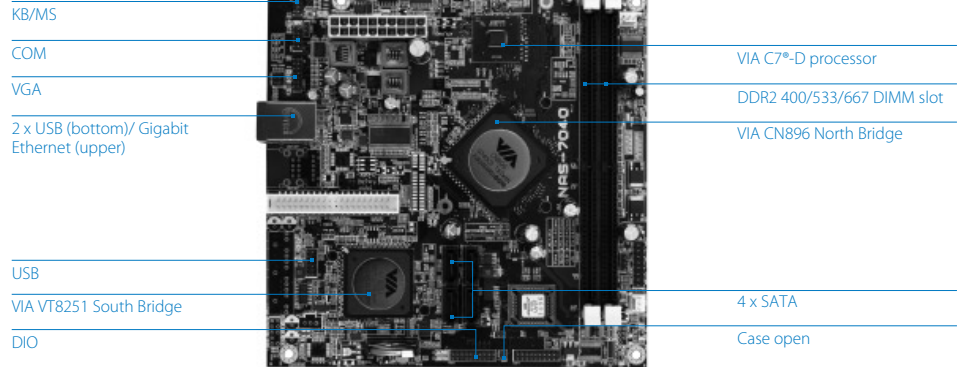
Mini-ITX C7®-D Board
for Storage Server with
GigaLAN, 4 SATA, 1 COM
Port and 4 USB

Features

- Mini-ITX form factor
- Supports one VIA VT6130 PCIe Gigabit Ethernet
- Supports four SATA
- Supports four USB 2.0 ports (two as pin headers)
- Supports one COM port, with 5V/12V select
- Onboard DIO with HDD status indication capability for Windows Home Server
- Designed for NAS application and fully compatible with WHS system requirements



Board Placement

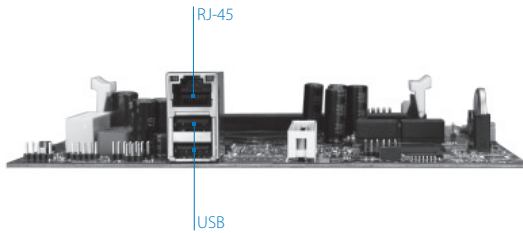


Specifications

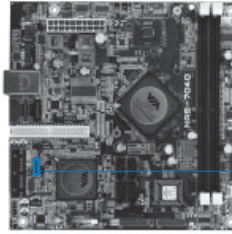
Model Name	NAS7040
Processor	1.8 GHz VIA C7®-D with FSB 800 MHz
Chipset	VIA CN896 North Bridge VIA VT8251 South Bridge
System Memory	2 DDR2 400/533/667 DIMM sockets Up to 4 GB memory size
VGA	Integrated VIA Chrome9™ HC graphics with 2D / 3D and video acceleration
Onboard IDE	1 x UltraDMA 133/100/66 connector
Onboard LAN	VIA VT6130 PCIe Gigabit Ethernet controller
Onboard I/O Connectors	4 x SATA connectors 1 x VGA pin header 2 x Fan pin connectors: CPU/Sys FAN 1 x USB pin connector for 2 additional USB 2.0 ports 1 x Serial port pin connector for COM2 (5V/12V selectable) 1 x SMBus 1 x Digital I/O pin connector 1 x Case-open detect pin 1 x Front-panel pin connector 1 x ATX power connector
Back Panel I/O	1 x RJ-45 LAN port with LED 2 x USB 2.0 ports
BIOS	Award BIOS, LPC 4/8Mbit flash memory
Operating System	Microsoft Windows Home Server, Linux, XPe
System Monitoring & Management	Fan control. CPU voltage monitoring AC power failure recovery. System power management Wake-on LAN, Keyboard Power-on, Timer Power-on Watch Dog Timer
Operating Temperature	0 °C ~ 50 °C
Operating Humidity	0% ~ 95% (relative humidity; non-condensing)
Form Factor	Mini-ITX 17 cm x 17 cm

* The Product is only available for special project. Please contact your regional sales representative for more details

Back Panel I/O



Accessories

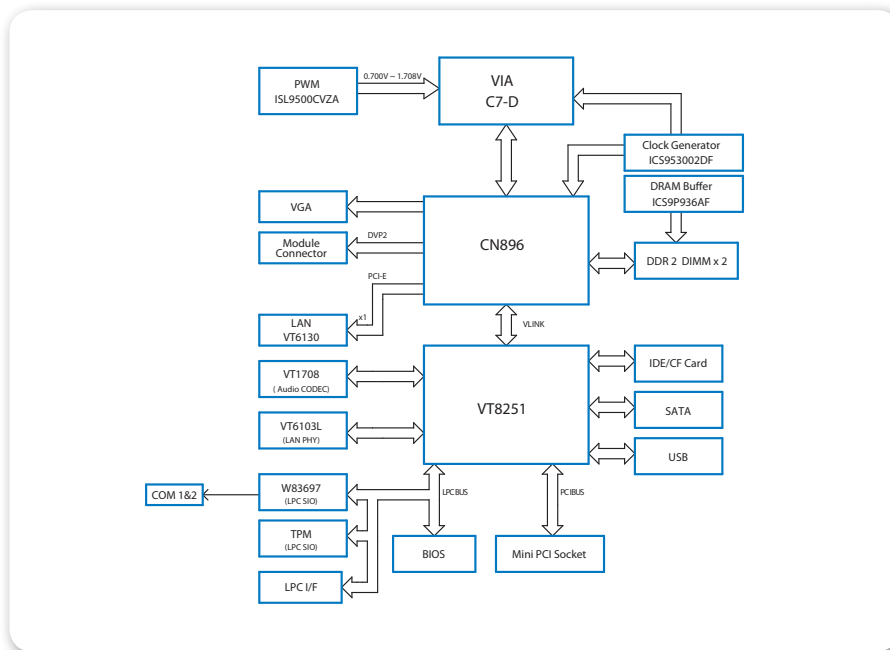


WLAN USB Module
802.11 b/g standards

Ordering Information

Model Name	CPU Frequency	Description
NAS7040	1.8 GHz C7 [®] -D	Mini-ITX C7 [®] -D Board for Storage Server with 1 PCIe GigaLAN, 4 SATA, 1 COM Port and 4 USB
NAS7040 development kit	1.8 GHz C7 [®] -D	Development kit of NAS7040 for system integrators, including NAS7040 board, complete cable set, driver CD, manual and VGA cable

Block Diagram



Packing List

- 1 x Driver CD
- 1 x Bracket I/O