

Segment Boards

VIA NAB 7500

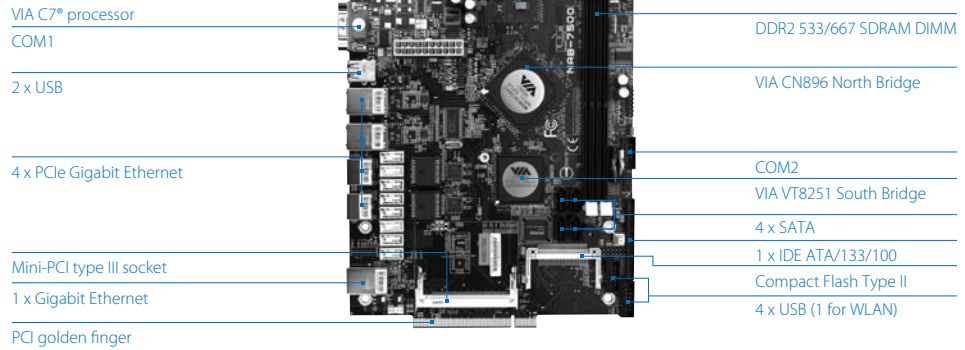
Network Security Platform
with C7®, 5 GigaLAN, Mini
PCI, PCI Golden Finger, LAN
Bypass

Features

- Supports two DDR2 667 DIMM slot
- Supports one PCI golden finger
- Supports one Mini PCI Interface
- Supports two COM ports
- Supports four PCIe GbE and one PCI GbE (optional)
- Supports four SATA
- Supports six USB 2.0
- Supports LAN bypass
- Supports Compact Flash type II
- Supports TPM on board (optional)



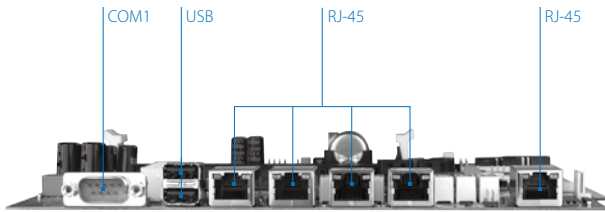
Board Placement



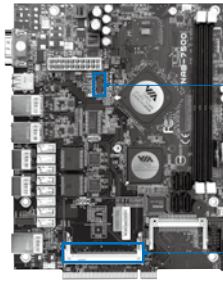
Specifications

Model Name	NAB 7500-15TLG	NAB 7500-15LG
Processor	1.5GHz VIA C7® (2.0G/1.0G as manufacturing options)	
Chipset	VIA CN896 North Bridge and VIA VT8251 South Bridge	
Onboard LAN	4 x VIA VT6130 PCIe GbE controllers 1 x VIA VT6122 GbE controller	4 x VIA VT6130 PCIe GbE controllers
Expansion Slots	1 x 33MHz 32-bit PCI golden finger supports 3 PCI devices 1 x Mini PCI type III socket	1 x 33MHz 32-bit PCI golden finger supports 3 PCI devices 1 x Mini PCI type III socket
On board TPM	Infineon SLB9635TT 1.2 (Trusted Platform Module)	N/A
System Memory	2 x DDR2 533/667 DIMM Sockets. Up to 4 GB memory size	
VGA	Integrated VIA Chrome9™ HC IGP with 2D/3D and video accelerations	
Onboard IDE	1 x UltraDMA 133/100/66 Connector (44 pins)	
Super IO	Winbond W83697HG	
Onboard I/O Connectors	1 x VGA pin connector 1 x Digital I/O pin connector (4 input, 4 output, TTL level) 1 x PS/2 pin connector for keyboard and mouse 1 x Front panel pin connector 1 x Front panel LED pin connector for the LAN activity indicators of Ethernet, wireless, and LAN bypass (for NAB 7500-15TLG) 2 x Fan connectors: CPU/Sys FAN 4 x SATA connectors 1 x Type II Compact Flash slot 2 x USB pin connectors for 4 additional USB 2.0 ports (USB5 for VIA WLAN module with BIOS control) 1 x Serial port pin connector (with 5v/12v select) 1 x Pin connector for chassis intrusion detection 1 x 12V DC jack (mfg. option) 1 x 4 pin 12V connector (mfg. option) 1 x HDD power pin (+5v,+12v) 1 x ATX power connector	
Back Panel I/O	1 x DB-9 serial port (with console redirection) 5 x RJ-45 LAN ports (LAN C/D with LAN bypass) (4 x RJ-45 LAN ports for NAB7500-15LG) 2 x USB 2.0 ports	
BIOS	Award BIOS, LPC 4/8Mbit flash memory	
Operating System	Linux, Windows 2000/XP, Win CE, XPe	
System Monitoring & Management	CPU voltage monitoring. Fan monitoring Wake-on-LAN(LAN A/B/E), Watch Dog Timer, Timer power on System power management, AC power failure recovery	
Operating Temperature	0°C - 60°C	
Operating Humidity	0% ~ 95% (relative humidity; non-condensing)	
Form Factor	22.9 cm x 18 cm (6-layer)	

Back Panel I/O



Accessories



WLAN USB Module
802.11 b/g standards



WLAN Mini PCI
802.11 b/g standards

Ordering Information

Model Name	CPU Frequency	Description
NAB 7500-15TLG	1.5GHz C7®	Network Security Platform with 1.5GHz C7®, 4 PCIe GbE, 1 PCI GbE, TPM, Mini PCI
NAB 7500-15LG	1.5GHz C7®	Network Security Platform with 1.5GHz C7®, 4 PCIe GbE, Mini PCI

Block Diagram

