NOVA-7898
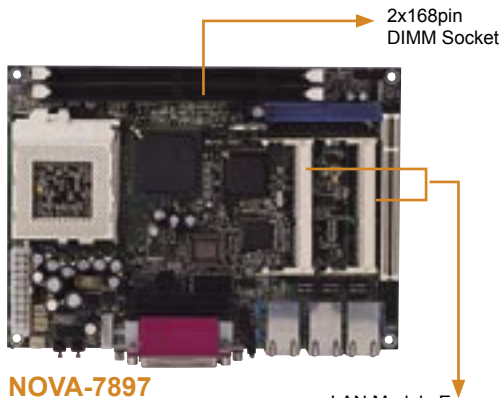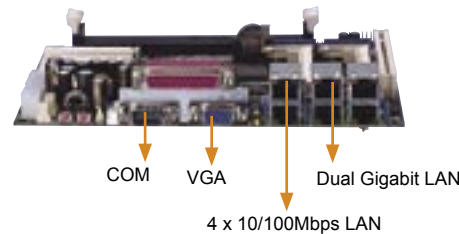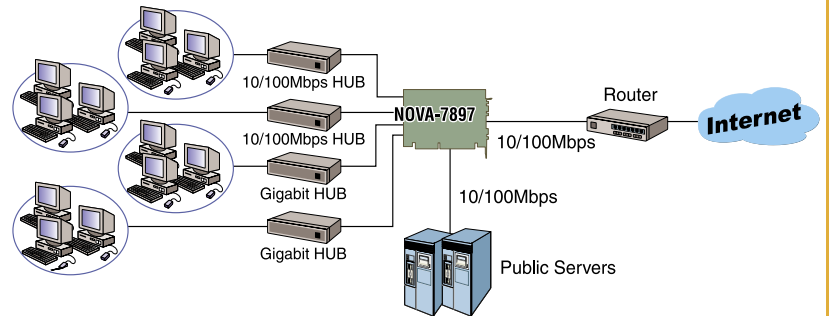
5.25" Disk size small form factor, Socket 370 base embedded board with 6x LAN for networking applications

Dual Gigabit LAN Support

2x168pin DIMM Socket

NOVA-7897

LAN Module Expansion Socket (Socket PCI Connector)

10/100Mbps HUB
10/100Mbps HUB
Gigabit HUB
Gigabit HUB

NOVA-7897

Router

Internet

10/100Mbps
10/100Mbps

Public Servers

COM   VGA   Dual Gigabit LAN

4 x 10/100Mbps LAN

NOVA-7898
(Printer port, VGA port by pin header)

FEATURES

◆ Supports Intel Tualatin Socket-370 PIII/ Celeron 133MHz FSB
◆ Supports up to Six LAN for networking management application like firewall or VPN Gateway IP security management
  – Dual 10/100Mbps LAN controller onboard i82562E + i82559
  – 2 x expansion socket interface for LAN module up to Six LAN
◆ LAN Module:
  – LM -2GN Dual Intel 82540/82541 Gigabit Ethernet Module.
  – LM -2G dual Gigabit LAN modules for high speed networking appliance.
  – LM-102 dual LAN module for Internet / Intranet server load balance or VPN Gateway appliance
  – LM-SSLA SSL Module with SSL Accelerator for advance WEB server SSL check performance (Rainbow Solution)
◆ Provides 2x DIMM socket for System memory up to 512MB
◆ Provides 1x PCI slot for expansion

LM-102R

LM-102N
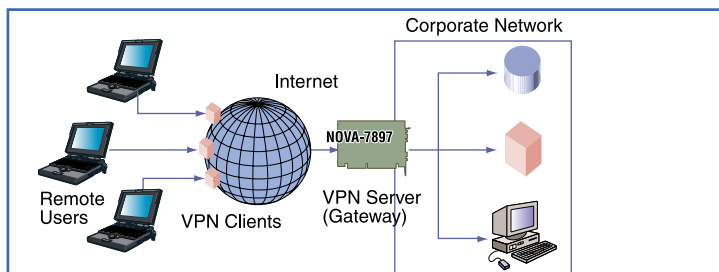(can accept one or two modules per NOVA-7897/7898)

LM-2GN
(only accepts onemodule per NOVA-7897)

LM-SSLA

LM-2G

Corporate Network

Internet

Remote Users
VPN Clients
VPN Server (Gateway)

NOVA-7897

Dimensions

203.2
193.04
5.08
146.05
135.89
135.89
5.08
2.4

17.97
26.93
7.86
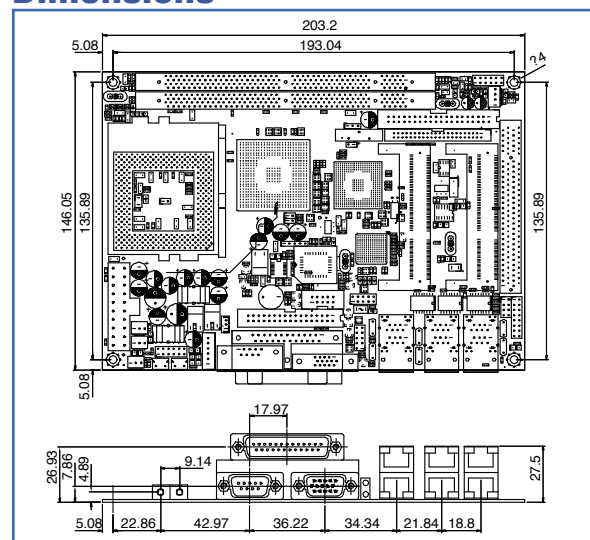4.89
9.14
27.5
5.08 22.86 42.97 36.22 34.34 21.84 18.8

Why do you need the NOVA-7897 with LM-SSLA?

Virtual Private Networks (VPN) is rapidly becoming the universally accepted method for remote access. VPNs enable you to take advantage of the power of the Internet by providing a private tunnel through the public cloud. This in turn reduces costs and enhances productivity from your remote access applications. Although a VPN is private, it doesn't mean that it is secured. Protected solely by passwords, VPNs are very vulnerable. Therefore, our NOVA-7897 with LM-SSLA is available to enhance the security of Virtual Private Networks.

NOVA-7898

5.25" Disk size small form factor, Socket 370 base embedded board with 6x LAN for networking applications

EB-5810
Networking Platform for 1U 19"
RackMount Solution

EB-5800
Networking Platform for Desktop Solution

RACK-2340
High-end Networking Platform for 19"
Rackmount solution

SPECIFICATIONS

◆ 1U Height 19" Rackmount Networking Server
◆ Drive Bays: Two internal 3.5" HDD drive bay
◆ Cooling Fan: Three 4 cm ball bearing cooling Fan
◆ Front panel support one Compact Flash Type II and one USB port
◆ I/O: K/B x 1, Mouse x 1, Print Port x 1, RS-232 x 1
◆ Power Supply: Equipped with ACE-816AP power supply
◆ Embedded NOVA-7898 embedded board
◆ Vibration: 5~17Hz, 0.1" ouble amplitude displacement 17~640 Hz,1.5G acceleration part to part
◆ Shock: 10G acceleration part to part (11ms)
◆ Color: Dark Blue(Pantone-433C)
◆ Depth: 400mm
◆ Net/GW : 6/8(kg)

LAN Port	LAN module #	LAN Carry card
2	0	-
4	1	-
6	2	-
8	3	v
10	4	v

LAN module: LM-102N-X59,LM102N-X50,LM-102R, LM-2GN

LAN carry card: MLAN-104,MLAN-104SSLNote: Due to the limitation of PCI specifaction, please be aware of Gigabit Ethernet application.

Note: Due to the limitation of PCI specifaction, please be aware of Gigabit Ethernet application.

ORDERING INFORMATION

● **RACK-2340/ACE-816AP**
High-end Networking Platform for 19" Rackmount solution.
Included ACE-816AP

● **RACK-2340LCM/ACE-816AP**
High-end Networking Platform for 19" Rackmount solution.
Included A125 LCM and ACE-816AP

SPECIFICATIONS

◆ Support Intel server level processor Tualatin CPU up to 1.4GHz
◆ Optional one A125 16x2 characters LCD display module with RS-232 interface
◆ Support NOVA-7898 embedded board.
◆ Equipped with ACE-816APS (with PFC) 150W industrial power supply,
◆ Standard equipped with dual Intel 10/100 Mbps LAN.
◆ Optional Socket PCI add-on LAN module supports system up to six LAN port.
◆ Color: Dark Blue (Pantone 433C)
◆ Dimensions: EB-5800: 325(W)x44(H)x300(D)mm
◆ EB-5810: 431(W)x44(H)x250(D)mm

ORDERING INFORMATION

	A125 LCD Module	Full Function	HDD Drive Bay
EB-5800			1 x 3.5"
EB-5800LCM	Yes		1 x 3.5"
EB-5800F		Yes	1 x 3.5"
EB-5800FLCM	Yes	Yes	1 x 3.5"
EB-5810			1 x 2.5"
EB-5810LCM	Yes		1 x 2.5"
EB-5810F		Yes	1 x 2.5"
EB-5810FLCM	Yes	Yes	1 x 2.5"

Notes: Full function means USB, PS/2, VGA, Parallel, Audio connector on the rear side of chassis

● **EB-5800XXX / ACE-816APS** Networking Platform for Desktop Solution
● **EB-5810XXX / ACE-816APS** Networking Platform for 1U 19" RackMount Solution
Note: EB-5810 ship with rackmount kit

SPECIFICATIONS

◆ CPU: Supports Intel® Tualatin Socket-370 PIII/ Celeron™ 133MHz FSBand VIA C3 Nehemiah (PPGA Celeron is not support)
◆ System Chipset: Intel 815E-B step
◆ System Memory: Up to 512MB (2x 168pin DIMM)
◆ Display: Chipset integrated AGP 4X
V-RAM: share with system memory by Dynamic Video Memory Technology
Resolution: max.1600 x 1200, 8 bit colors for CRT
Connector: external DB-15 for CRT display
◆ I/O:
External: One RS-232, one VGA, one LPT port connector
Internal: One RS-232, IrDA port, two USB by pin-header
IDE: Two ATA-100 channel (1x40 pin header), 1x44 pin header
◆ Ethernet: External RJ-45x6
Intel 82562 and 82559 10/100Mbps Ethernet controllers onboard
up to 6x LAN with LAN module daughter board, LM-102N
(Dual i82559/i82550), LM-2G (Dual Broadcom 5701/5703 Gigabit chip)
or LM-2GN (Dual Intel 82540 Gigabit chip)
◆ Expansion:1x PCI 32bit/33MHz slot
2x socket PCI connector for LAN Module daughter board
◆ WDT: Software programmable, support 1~ 255 sec. system reset
◆ Power function: Supports ATX power
◆ Power Connector: ATX 2.03 1x20pin ATX connector
◆ Power Consumption: 5V@9A, 3.3V@3.1A, 12V@0.2A, -12V@0.02A
(933MHz CPU with 256MB)
◆ Relative Humidity: 5~95%, non-condensing
◆ Operating Temperature: 0~60ºC
◆ Dimensions: 203 x 146 mm (8" x 5.8")
◆ GW: 900g

ORDERING INFORMATION

● **NOVA-7897** Socket 370 base embedded board with CRT VGA /Dual LAN/Audio
● **NOVA-7898** Socket 370 base embedded board with CRT VGA /Dual LAN/Audio (Printer port, VGA port by pin header)
● **LM module (Socket PCI connector)**
LM-102N-x59 Dual i82559 LAN Module
LM-102N-x50 Dual i82550 LAN Module with IPsec Engine
LM-102R Dual Realtek 8100 LAN Module
LM-2G Dual Broadcom 5701/5703 Gigabit LAN Module
LM-SSLA SSL Accelerator Module
LM-2GN Dual Intel 82540/82541 Gigabit Ethernet Module
● **CB-USB02** Dual ports USB cable with bracket