

# NOVA-7800 Series

Embedded Processor SBC with LCD/CRT  
VGA, Audio, LAN, 1394, Video Capture



NOVA-7810



NOVA-7820



NOVA-7830

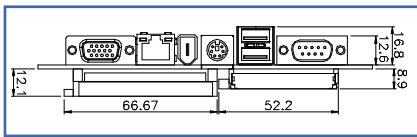


4 x RCA  
Connector Cable



VIN-KIT-01  
4 x BNC Connector Board

## Dimensions



## SPECIFICATIONS

### EB-2830

Embedded chassis for NOVA-7800 series

#### SPECIFICATIONS

- ◆ Support Embedded SBC: NOVA-7800 series
- ◆ Support Power Supply: Equipped with ACE-816A, Optional, ACE-815T, ACE-815C PSU
- ◆ Drive bays: Two internal 2.5" HDD drive bays
- ◆ Accept one half-size PCI add-on card
- ◆ Color: Dark Blue (PANTONE 433C)
- ◆ Dimension: 350 mm x 64 mm x 251 mm

#### ORDERING INFORMATION

- **EB-2830/ACE-816A**  
Embedded chassis for NOVA-7800 series with ACE-816A
- **EB-2830/ACE-815T**  
Embedded chassis for NOVA-7800 series with ACE-815T
- **EB-2830/ACE-815C**  
Embedded chassis for NOVA-7800 series with ACE-815C

## ORDERING INFORMATION

- **NOVA-7810 [B] - P800**  
Embedded Intel PIII 800MHz SBC with LCD/CRT VGA, Audio, 1394 and Video Capture function
- **NOVA-7820 [B] - E400**  
Embedded VIA EDEN 400MHz SBC with LCD/CRT VGA, Audio, 1394 and Video Capture function
- **NOVA-7830 [B]**  
Intel Socket-370 support Tualatin SBC with LCD/CRT VGA, Audio, 1394 and Video Capture function

[B]: Cable code:

- None: ship with one 4 x RCA connector cable kit
- B: Ship with one VIN-KIT-01, 4x BNC connector Board

	NOVA-7810	NOVA-7820	NOVA-7830
CPU	Intel® low power PIII 800MHz	VIA Low power Eden 400MHz	Intel® Socket 370 Tualatin Pentium®II/Celeron™ up to 133MHz FSB
System Chipset	Intel 815E+ICH2 PCI 2.2 compliant	Intel 815E+ICH2 PCI 2.2 compliant	Intel 815E+ICH2 PCI 2.2 compliant
Memory	Intel 815 chipset AGP 4X V-RAM: Shared with system memory(DVMT) Connector:	Intel 815 chipset AGP 4X V-RAM: Shared with system memory(DVMT) Connector:	Intel 815 chipset AGP 4X V-RAM: Shared with system memory(DVMT) Connector:
CRT Display	Controller: Smartasic SP1015 Resolution: up to 1024 x 768, 36bit Connector: 50 pin	Controller: Smartasic SP1015 Resolution: up to 1024 x 768, 36bit Connector:	Controller: Smartasic SP1015 Resolution: up to 1024 x 768, 36bit Connector:
LCD Display	1x10/100Mbps Fast Ethernet(Intel 82562)	1x10/100Mbps Fast Ethernet(Intel 82562)	1x10/100Mbps Fast Ethernet(Intel 82562)
SSD	1xCompact Flash™ Type II socket	1xCompact Flash™ Type II socket	1xCompact Flash™ Type II socket
Audio	C-Media 5.1 channels PCI 6W Amplifier	C-Media 5.1 channels PCI 6W Amplifier	C-Media 5.1 channels PCI 6W Amplifier
IEEE-1394	2xIEEE-1394a 400MHz ports(TI TSB43AB22)	2xIEEE-1394a 400MHz ports(TI TSB43AB22)	2xIEEE-1394a 400MHz ports(TI TSB43AB22)
I/O	3xRS-232 1xRS-232/422/485 1xLPT 2xUSB1.1 1xFDD 1xATA-100	3xRS-232 1xRS-232/422/485 1xLPT 2xUSB1.1 1xFDD 1xATA-100	3xRS-232 1xRS-232/422/485 1xLPT 2xUSB1.1 1xFDD 1xATA-100
WDT	Programmable 1~255 seconds system reset	Programmable 1~255 seconds system reset	Programmable 1~255 seconds system reset
Expansion Slot	1x32bit PCI 1xCard Bus I/F for PCMCIA module	1x32bit PCI 1xCard Bus I/F for PCMCIA module	1x32bit PCI 1xCard Bus I/F for PCMCIA module
Operation Temperature	0~60°C (CPU cooler required)	0~60°C	0~60°C (CPU cooler required)
Relative Humidity	5~95%, non-condensing	5~95%, non-condensing	5~95%, non-condensing
Power Consumption	5V@3.5A,12V@0.3A (PIII 800MHz with 256MB SDRAM)	5V@3A,12V@0.22A (EDEN 400MHz with 256MB SDRAM)	5V@30A,12V@0.22A (P III 400MHz with 256MB SDRAM)

**Video capture:** 4 x AV input by cable with bracket

- Chip: Conexant Fusion 878A
- Frame speed: 30FPS
- Video format: NTSC/PAL/SECAM

- OS support: Windows 98SE/2000/ME/XP
- Standard equipped with one 4 x RCA connector cable, optional one 4 x BNC