

# ITA-1000

**Intel® Atom™ N270 Fanless Compact System with Dual LAN, 12 x COM, 16 x DI, and 16 x DO Ports**

**NEW**



## Features

- Built-in Intel® Atom™ N270, 1.60 GHz CPU
- 6 x RS-232 serial and up to 6 x RS-422/485 ports with automatic flow control
- 32 Digital I/O (16-ch DI/16-ch DO)
- 2 x 10/100/1000 Base-T Ethernet ports
- 7 x USB 2.0 Ports
- Supports internal CF card and 2.5" SATA HDD
- Dual display VGA + DVI (LVDS optional)
- One PCIe x4 and one PCI 32-bit slot for extension
- Supports audio function with optional audio kit

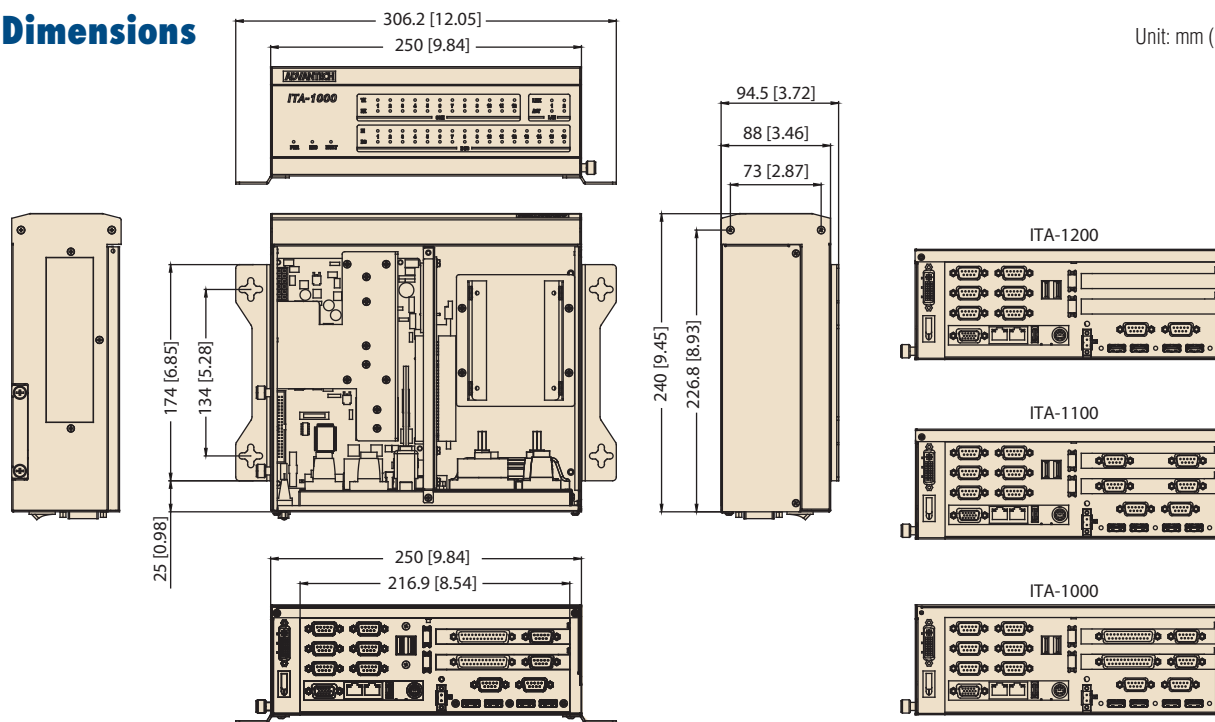


## Specifications

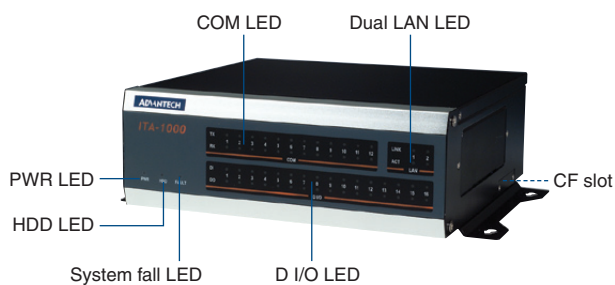
Processor System	CPU	Intel Atom N270		
	Max	1.6 GHz		
	L2 Cache	512 KB		
	Chipset	Intel 945GSE + ICH7-M		
	Bios	Award SPI 8MB or 8-Mbit		
Expansion Slot	Front Side Bus	533/667 MHz		
	PCI, PCIe	1 x PCI BUS (32-bit/33 MHz) (ITA-1200 only) 1 x PCIe x 4 (ITA-1200 only)		
Memory	Technology	Single channel DDR2 SODIMM 400/533		
	Max.Capacity	2 GB		
	Socket	Yes		
Graphics	Embedded	Intel GMA950 sharing 224 MB system memory		
	Dual display	Supports 24/ 48-bit up to UXGA 1600 x 1200 pixels VGA + DVI/LVDS (LVDS optional)		
Data Storage	NVRAM	512 KB NVRAM onboard		
Ethernet	Interface	10/100/1000 Base-T		
	Controller	Intel 82574L		
	Connector	RJ45 x 2		
Storage Drive Bay	HDD	1 x SATA drive bay for 2.5" harddisk		
	SSD	1 x CompactFlash socket for Type I/II CompactFlash disk		
I/O Interface	Display	ITA-1000	ITA-1100	ITA-1200
	LAN	1 CRT + 1 DVI/LVDS	1 CRT + 1 DVI/LVDS	1 CRT + 1 DVI/LVDS
	USB	2	2	2
	Digital I/O	7	7	7
	Serial	32-ch GP I/O for DI and DO	-	-
	PS/2	10 ports	12 ports	8 ports
	Audio	6 x RS-232, 2 x RS-232/422/485, 2 x RS-422/485	6 x RS-232, 4 x RS-232/422/485, 2 x RS-422/485	6 x RS-232, 2 x RS-422/485
		6-pin (2.54mm) wafer box connector for keyboard only	-	PCA-AUDIO-HDA1E (Optional)
Power	Input Voltage	DC 10V ~ 24V		
Watchdog Timer	Output	System reset		
	Interval	Programmable 1~255 sec/min		
Environment	Operating	Non-operating		
	Temperature	0 ~ 50° C -20 ~ 70° C (-4 ~ -150° F)		
Physical Characteristics	Dimensions (W x H x D)	250 x 215 x 88 mm		

## Dimensions

Unit: mm (inch)



## Front View



## Ordering Information

Part Number	Description
ITA-1000-00A1E	N270, 1 G memory, 160 G HDD, 2 GbE, 32 DIO, 10 COM, VGA + DVI
ITA-1100-00A1E	N270, 1G memory, 160 G HDD, 2 GbE, 12 COM, VGA + DVI
ITA-1200-00A1E	N270, 1G memory, 160 G HDD, 2 GbE, 8 COM, VGA + DVI, 2 x slots
ITA-1200-BRA1E	N270, w/o memory, HDD, w/2 GbE, 8 COM, VGA + DVI, 2 x slots

## Packing List

Part Number	Description
1700001394	1 x Driver/Utility CD DC power input cable

## Rear View

ITA-1000



## Option list

Part Number	Description
PCA-AUDIO-HDA1E	Optional audio kit
1757000222	AC-DC adapter