

ITA-1000 series

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

NEW



Features

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

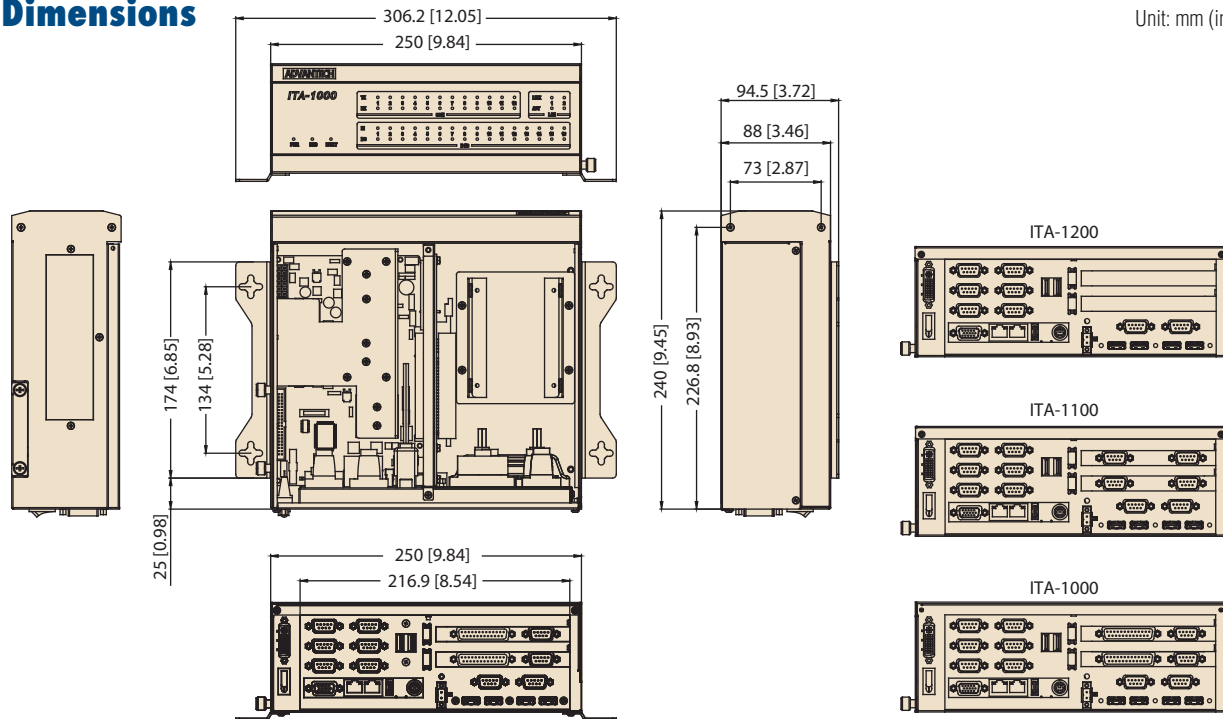


Specifications

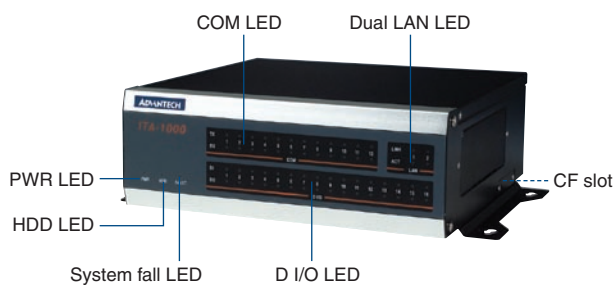
Processor System	CPU	Intel Atom N270		
	Max	1.6 GHz		
	L2 Cache	512 KB		
	Chipset	Intel 945GSE + ICH7-M		
	Bios	Award SPI 8 Mb		
	Front Side Bus	533/667 MHz		
Expansion Slot	PCI, PCIe	1 x PCI BUS (32bit/33 MHz) (ITA-1200 only)		
		1 x PCIe x 4 (ITA-1200 only)		
Memory	Technology	Single channel DDR2 SODIMM 400/533		
	Max.Capacity	2 GB		
	Socket	Yes		
Graphics	Embedded	Intel GMA950 sharing 224 MB system memory		
	LVDS	Support 24 /48 bit up to UXGA 1600 x 1200		
	Dual display	VGA + DVI/LVDS (LVDS is 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	-	Optional by PCA-AUDIO-HDA1E
Power	Input Voltage	DC 10V ~ 24V		
Watchdog Timer	Output	System reset		
	Interval	Programmable 1~255 sec/min		
Environment	Temperature	Operating		Non-operating
		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



Rear View

ITA-1000



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
	1 x Driver/Utility CD
1700001394	DC power input cable
1757000222	AC-DC adapter

Option list

Part Number	Description
PCA-AUDIO-HDA1E	Optional audio kit