



Arpex-1610

1U Fanless Embedded Computing with Intel Atom™ N270 Processor and Dual GbE LAN

◀ **New!!**

Features

- Intel Atom™ N270 1.6GHz 32-bit x 86 CPU Core Onboard
- Built-in Alphanumeric LCM Module
- Isolated Serial Ports (RS-232/422/485)
- Passive Cooling System (Fanless)
- Super Slim and Compact Mechanical Design
- Memory Back-up with Unlimited Frequency of Data Recovering
- Easy Installation/Exchange of Storage Devices
- 2D/3D Graphic Accelerator
- Support Dual Display (by Y Cable)



System

CPU	Intel Atom™ N270 1.6GHz 32-bit x 86 CPU
Memory	1 x 512KB FRAM soldered onboard 1GB DDRII SDRAM SO-DIMM installed
Storage	1 x CompactFlash Socket 1 x 2.5" HDD bay
LAN	2 x Realtek RTL8111B 10/100/1000M base-T
Serial Port	2 x Full RS-232 isolated serial ports (COM1, 2) (DB9) 2 x Full RS-232/422/485 isolated serial ports (COM3, 4)(DB9)
USB Port	2 x USB 2.0 (Host)
KB/MS	1 x PS2 Keyboard and Mouse
DVI	1 x DVI connector, resolution up to 1600 x 1200 (Ratio 4 : 3)
Indicators	LED for power, IDE
Digital Input	4ch
Digital Output	4ch
Analog Input	2ch

Mechanical & Environmental

Operating Temp.	-10 ~ 60°C (14 ~ 140°F) (CF, SSD, wide temp. HDD) -10 ~ 45°C (14 ~ 113°F) (CF, HDD)
Storage Temp.	-20 ~ 80°C (-4 ~ 176°F)
Operating Humidity	10 ~ 95% RH @40°C (non-condensing)
Vibration Protection	1Grms
Dimensions (W x D x H)	242.5 x 44.5 x 138 mm (9.55" x 1.75" x 5.43")
Weight (Net)	1.9kg (4.2 lb)
Mounting	Support wall-mounting

General

Certification	CCC, CE, FCC, CB
Enclosure	Aluminum
OS Support	Microsoft Windows XP/XPe/CE.Net, Linux
Watchdog Timer	255-level reset

All specifications are subject to change without notice.

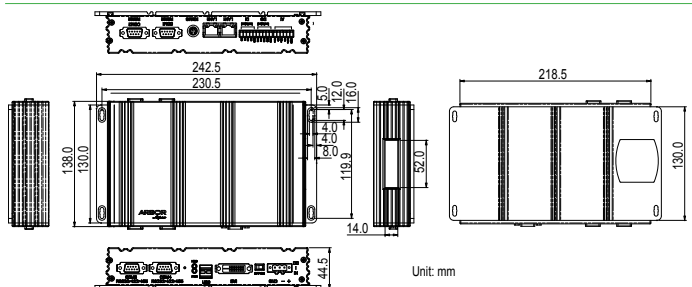
Power System

Connector	One ME-050 3-pin DC jack for power adapter
Power Input	DC 9 ~ 33V
Power Consumption	20W

Enhanced Features

Alphanumeric LCM	Built-in LCM module
S.D.R. (System Data Recovery)	Memory back-up for data saving after power loss
System Fast Boot	Smart boot loader for system fast boot
Isolated I/O	3.75KV optical isolation for all serial ports

Dimensions



Ordering Information

Arpex-1610	1U fanless embedded computing with Intel Atom™ N270 1.6GHz processor and dual GbE LAN
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Computer on Module

Embedded Miniboard

Slot Computing

Industrial Motherboard

Wide Temperature

Cable Kit / Cooling Kit / SBC Daughter Board / Power Converter

Rugged Tablet PC

HMI / HMC

Box PC

Mobile DVR

Network Communication Appliance

Industrial Chassis / Backplane Power supply