Arpex-1610

1U Intel® Atom™ N270 Embedded Computer

Features

- Soldered Onboard Intel® Atom™ N270 1.6GHz CPU
- Built-in Alphanumeric LCM Module
- Isolated Serial Ports (RS-232/422/485)
- Fanless Design
- Super Slim and Compact Mechanical Design
- Soldered Onboard 512KB FRAM
- Easy Installation/Exchange of Storage Devices
- Support Dual Independent Displays (by Y-cable)
- Wide Range DC Input (9 ~ 33V)

System

CPU	Soldered onboard Intel® Atom™ N270 1.6GHz CPU
Memory	Soldered onboard 512KB FRAM
	1GB DDR2 SDRAM SO-DIMM installed
Storage	1 x CompactFlash Type II Socket
	1 x 2.5" drive bay for SATA HDD/SSD
LAN	2 x Realtek RTL8111B 10/100/1000Base-T Ethernet
Serial Port	2 x Full RS-232, 2 x RS-232/422/485 (with optical isolation design of 3.75KV)
USB Port	2 x USB 2.0 (Host)
KB/MS	1 x PS/2 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 138 x 44.5 mm (9.55" x 5.43" x 1.75")
Weight (Net)	1.9 kg (4.2 lb)
Mounting	Support wall-mounting

General

Certification	CE, FCC, CB
Enclosure	Aluminum
OS Support	Microsoft Windows XP/XPe/CE.Net, Linux
Watchdog Timer	1~255 levels reset

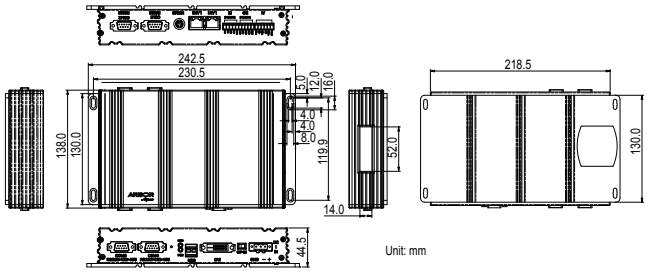
Power System

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
Isolated I/O	3.75KV optical isolation for all serial ports

Dimensions



Ordering Information

Arpex-1610	1U Intel® Atom™ N270 embedded computer
Arpex-1610-E4	Arpex-1610 w/o siolated COM, LCM, FRAM, DRAM

All specifications are subject to change without notice.