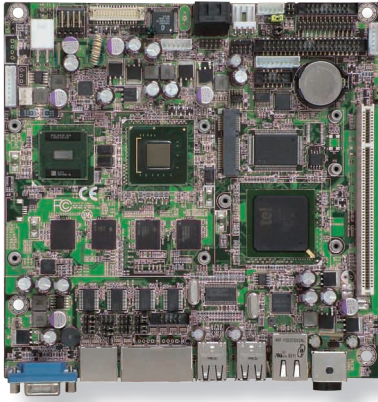




ITX-i2705

Intel® Atom™ N270 Embedded Mini-ITX Motherboard



Features

- Ultra Low Profile (16.8 mm Height Max.)
- Fanless Operating
- Soldered Onboard Intel® Atom™ N270 1.6GHz Processor
- Soldered Onboard 1GB DDR2-533 SDRAM
- Soldered Onboard 4GB NANDrive (ITX-i2705D Only)
- Soldered Onboard Touch Screen Controller
- Support Analog RGB, Dual Channels 18/24-bit LVDS for LCD
- Support Dual Independent Displays
- Multi-expansion (6 x USB, 6 x Serial Ports, 1 x PCI, 1 x Mini-card Slot)
- Versatile Storage (2 x SATA, 1 x IDE, 1 x NANDrive (ITX-i2705D Only))
- Single DC12V Power Input
- **Extended Operating Temp.:-20 ~ 70°C**

System

CPU	Intel® Atom™ N270 1.6GHz CPU with 533MHz FSB
Memory	Soldered onboard 1GB DDR2 533MHz SDRAM
Chipset	Intel® 945GSE + ICH7M
BIOS	Phoenix-Award Flash BIOS
Storage	1 x Ultra ATA 100 port 2 x Serial ATA ports with 150MB/s HDD transfer rate
NANDrive	Soldered onboard 4GB NANDrive (ITX-i2705D only)
Watchdog Timer	1~255 levels reset

I/O

Serial Port	4 x RS-232 ports 2 x RS-232/422/485 selectable ports
Parallel Port	SPP/EPP/ECP mode
USB Port	6 x USB 2.0 ports
KB/MS	One 1 x 6-pin wafer connector for Keyboard and Mouse
Digital I/O	8-bit programmable Digital Input/Output
Expansion Bus	1 x PCI slot 1 x Mini-card slot

Ethernet

Chipset	1 x Realtek RTL8111C PCIe Gigabit Ethernet controller
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Audio

CODEC/Interface	Realtek ALC888 7.1 Channel HD Audio CODEC, Mic-in/Line-in/Line-out
Expansion Interface	One 1 x 9-pin wafer connector for expansion Audio board via AC97 interface

Display

Graphics Chipset	Integrated with Intel® Graphics Media Accelerator (GMA950)
Graphics Interface	Analog RGB support up to 2048 x 1536 LCD support Dual Channels 24-bit LVDS up to 1600 x 1200 TV-out support NTSC/PAL up to 1024 x 768

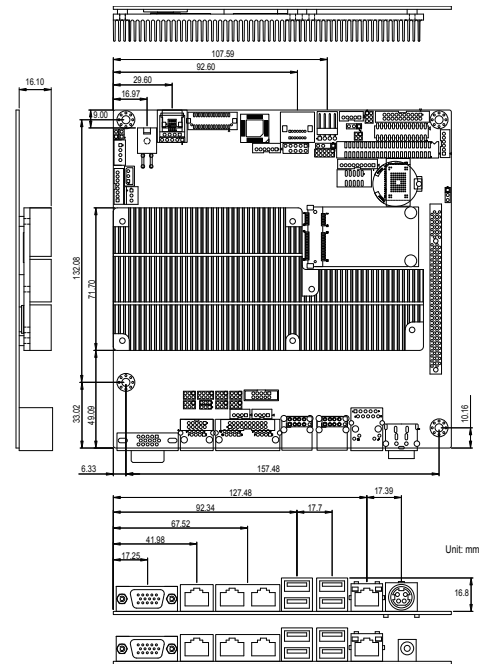
Touch Screen Interface

Mode	4-pin FPC for 4 wire 4-pin header for 4 wire 5-pin header for 5 wire
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Mechanical & Environmental

Power Requirement	+12V input (4-pin ATX 12V connector, 4-pin DC jack)
Operating Temp.	-20 ~ 70°C (-4 ~ 158°F)
Operating Humidity	0 ~ 95% (non-condensing)
Dimension (L x W)	170 x 170 mm (6.7" x 6.7")

Dimensions



Ordering Information

ITX-i2705	Intel® Atom™ N270 embedded Mini-ITX motherboard
ITX-i2705D	ITX-i2705 with 4GB NANDrive
CBK-13-2701-00	Cable kit
	1 x USB cable
	1 x TV-out cable
	1 x Audio cable
	1 x One port COM cable
	1 x Two ports COM cable
	3 x COM port RJ-45 cables
	1 x IDE cable
	1 x LPT cable
	1 x KB & MS Y-cable
	1 x SATA cable

All specifications are subject to change without notice.

Computer on Module

Compact Board

Slot Board

Industrial Motherboard

Wide Temperature

SBC Daughterboard /Power Connector /Mounting Kit

Rugged Tablet PC

Medical PC

Industrial Panel PC/Monitor

Box PC

Industrial Chassis /Backplane/Power supply