

# 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

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

## I/O

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

## Ethernet

<b>Chipset</b>	1 x Realtek RTL8111 PCIe Gigabit Ethernet controller
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## Audio

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

## Display

<b>Graphics Chipset</b>	Integrated with Intel® Graphics Media Accelerator (GMA950)
<b>Graphics Interface</b>	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

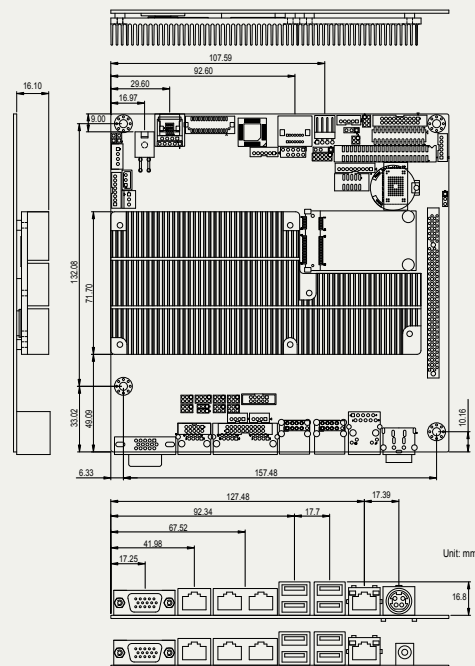
## Touch Screen Interface

<b>Mode</b>	4-pin FPC for 4 wire 4-pin header for 4 wire 5-pin header for 5 wire
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## Mechanical & Environmental

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

## Dimensions



## Ordering Information

<b>ITX-i2705</b>	Intel® Atom™ N270 embedded Mini-ITX motherboard
<b>ITX-i2705D</b>	ITX-i2705 with 4GB NANDrive
<b>CBK-13-2701-00</b>	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