



FI270A Series

Application

Embedded IA, VOD, Video server, Security, Home MIDI, ATM, Panel PC and POS, Kiosk application

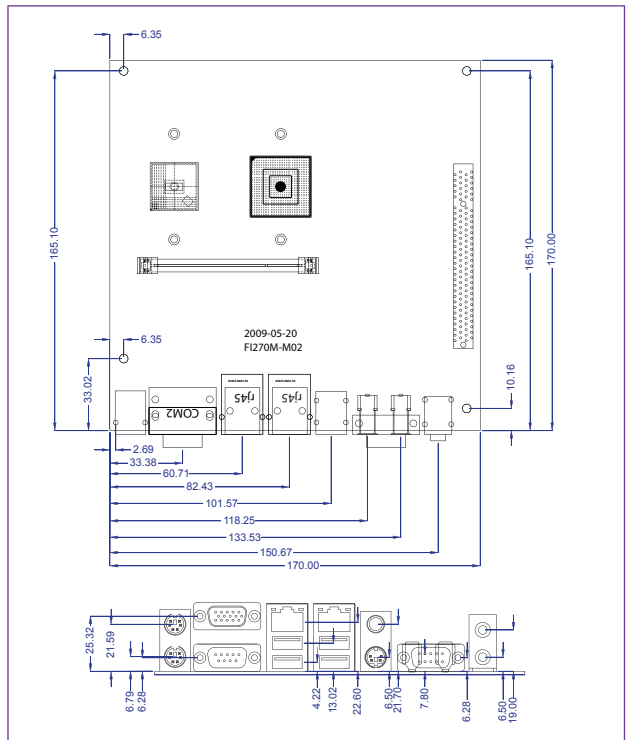
Features



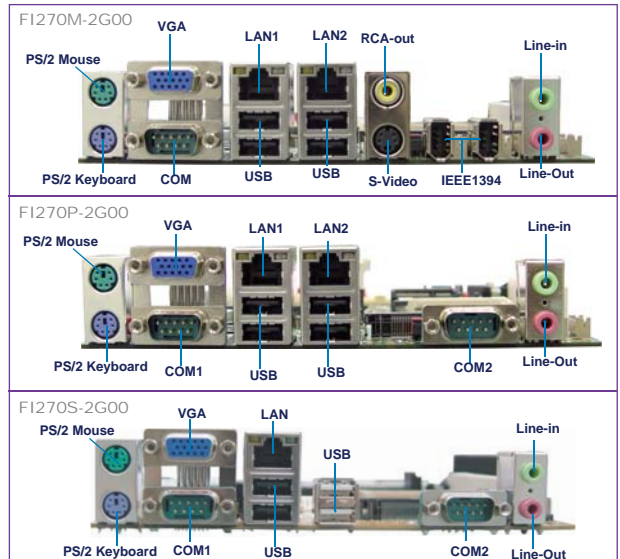
Ordering Information

- FI270S-1G00 1 LAN, 2 COM
- FI270P-2G00 2 LAN, 6 COM, DIO & WDT
- FI270M-2G00 2 LAN, 2 COM, IEEE 1394, TV-out

Dimension



Back Panel



Networking

POS / Automation

DVR

Multimedia

Embedded System

Specifications

- CPU type Intel Atom N270 1.6 GHz processor
- Front Side Bus 533 MHz
- MB Chipset Intel 945 GSE + ICH7M (82801 GBM)
- Graphics Integrated with Intel 945 GSE
Dynamic Video Memory Technology (DVMT 3.0)
- LVDS Data format of 18 bits
- Memory 1 x DDRII SODIMM (max. 2 GB)
- NAND flash memory CF Card Type II for ATA interface
On board SSD 1 / 2 / 4 / 8 GBytes (option)
- Audio Intel HD Audio. Supports Line-out / Mic-in / Lline-in
- LAN 1~2 x Intel 82574L or Realtek RLT8111C 10 / 100 / 1000 Mbps.
- IO function (FI270P) 5 x RS232 or RS485 (option) + 1 x RS422 / 485 or RS232 (option)
(FI270S/M) 2 x RS232
- USB 8 x USB 2.0 (4 external + 4 internal)
- Audio Amplifier (option) 6-W / CH into an 8-Ω Load from a 12-V Supply
Up to 92% Efficient, Class-D operation
Differential Input minimizes Common-Mode noise
- TV-out (option) Supports all NTSC & PAL formats,
S-Video & RCA Jack for CVBS TV-out connectors.
HDTV supports 480p / 720p / 1080i / 1080p
USB interface Touch screen controller
Supports 4-, 5-, 8- wire Analog Restive Touch screen
USB 1.1 full speed sample rate maximum of 300 point / sec
- Touch Screen (option)
- IEEE1394A (option) 2 ports of PCIe interface
Supports 400 / 200 / 100 Mbps data transfer rate
- DIO & WDT (option) Hardware digital Input & Output, 8 x DI / 8 x DO
Hardware Watch Dog Timer, 0~255 sec programmable
- Expand interface 1 x Mini PCI socket, 1 x PCI slot
1 x PCIe mini card for PCIe & USB interface
- Power ATX standard power
- Dimension 170 x 170 mm (Mini ITX)
- Operation Temp. 0 ~ 60 °C
- Operation Humidity 5~95% @ 60 °C, non-condensing
- Audio Amp (option)

Testing environment

Model name : FI270S-1G00
CPU : Intel Atom N270 1.6 GHz
Chipset : Intel 945 GSE & ICH7M
OS : WIN XP
Testing Program : 3D

Fanless solution with CF card

Chassis Temperature	Result
0°C	Pass
25°C	Pass
45°C	Pass
55°C	Pass

Fanless solution with 2.5" HDD

Chassis Temperature	Result
0°C	Pass
40°C	Pass

Please upgrade the hard drive to industrial grade for better temperature performance.