



FI853A Series

Application

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

Features



Networking

POS / Automation

DVR

Multimedia

Embedded System

Specifications

- . CPU type Intel Celeron M 600 Mhz / 512 KB processor
- . Front Side Bus 400 / 533 MHz
- . MB Chipset Intel 82852 GM + ICH4
- . BIOS Award BIOS
- . Graphics Integrated with Intel 82852 GM
Shared system memory up to 64 MB
- . LVDS Data format of 18 bits / 36 bits
- . Memory 2 x DDR SDRAM DIMM slot (max. 2GB)
- . IDE Ultra ATA 100 / 66 / 33, 1 x 40 pin 2.54mm, 1 x 44 pin 2.0mm
CF Card Type II socket for ATA interface
- . Audio AC-Link for Audio CODEC, AC'97 2.3
Support Line-out / Mic-in / Line-in
- . LAN 1~2 x Realtek 10 / 100 Mbps (optional Intel GbE)
Intel 82541PI or Realtek RTL8100C / RTL8110SC LAN Chip
- . IO Function 2 x RS232 (FI853S)
3 x RS232 + 1 x RS232 / 422 / 485 (FI853P)
1 x RS232 + 1 x RS232 pin header (FI853M)
IrDA 1.0 / ASKIR protocol
PS/2 keyboard & mouse
- . USB 6 x USB 2.0 (4 external + 2 internal)
- . TV-OUT (option) Support all NTSC & PAL formats. Resolution : 1024 x 768
Provide S-Video & RCA Jack for CVBS TV-out connector
USB interface Touch screen controller
Support 4-, 5-, 8- wire Analog Resistive Touch screen
USB 1.1 full speed sample rate maximum of 300 point / sec.
- . IEEE1394A (option) 2 ports of 32 Bit Power Managed PCI bus interface
- . DIO & WDT (option) Hardware digital Input & Output, 8 x DI / 8 x DO
Hardware Watch Dog Timer, 0~255 sec programmable
- . Expansion interface 1 x Mini PCI socket
1 x PCI slot
(with RS003 PCI Riser Card upgrade to 2 x PCI card)
- . Power ATX standard power spec
- . Dimension 170 x 170 mm (Mini ITX)
- . Operation Temp. 0 ~ 60 °C
- . Operation Humidity 5~95% @ 60 °C, non-condensing

Ordering Information

- . FI853S-1R6C 1 LAN, 2 COM, Celeron M 600 MHz / 512 KB
- . FI853P-2R6C 2 LAN, 4 COM, DIO & WDT, Celeron M 600 MHz / 512 KB
- . FI853M-2R6C 2 LAN, 2 COM, IEEE1394, TV-OUT, Celeron M 600 MHz / 512 KB

Testing environment

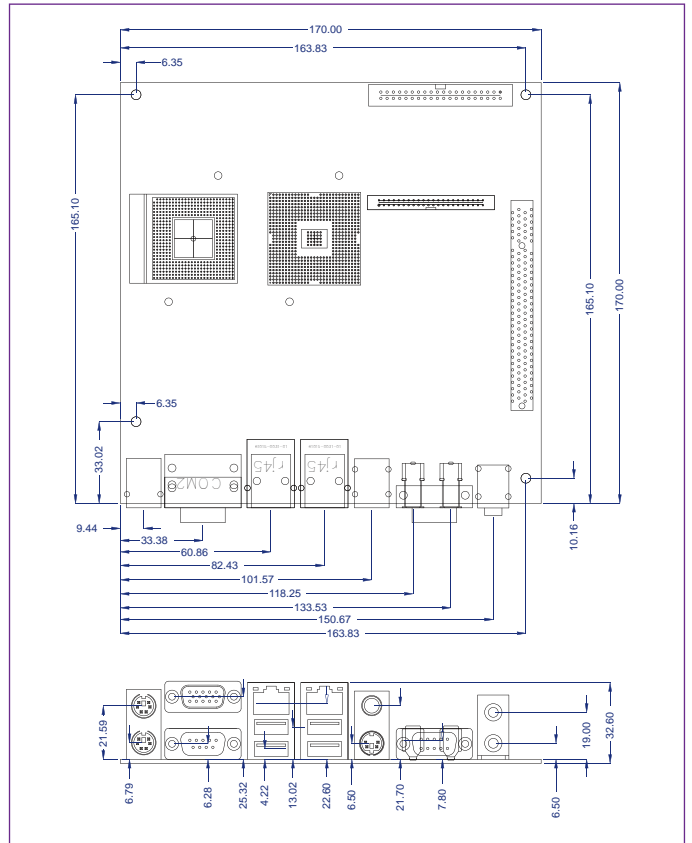
Model name : **FI853P-2R6C**
 CPU : Intel Celeron M 600 Mhz / 512 KB
 Chipset : Intel 82852 GM and Intel 82801DB ICH4
 OS : WIN XP
 Testing Program : 3D Mark 2001 SE

Fanless solution with 2.5" HDD

Chassis Temperature	Pass
0°C	Pass
25°C	Pass
40°C	Pass

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

Dimension



Back Panel

