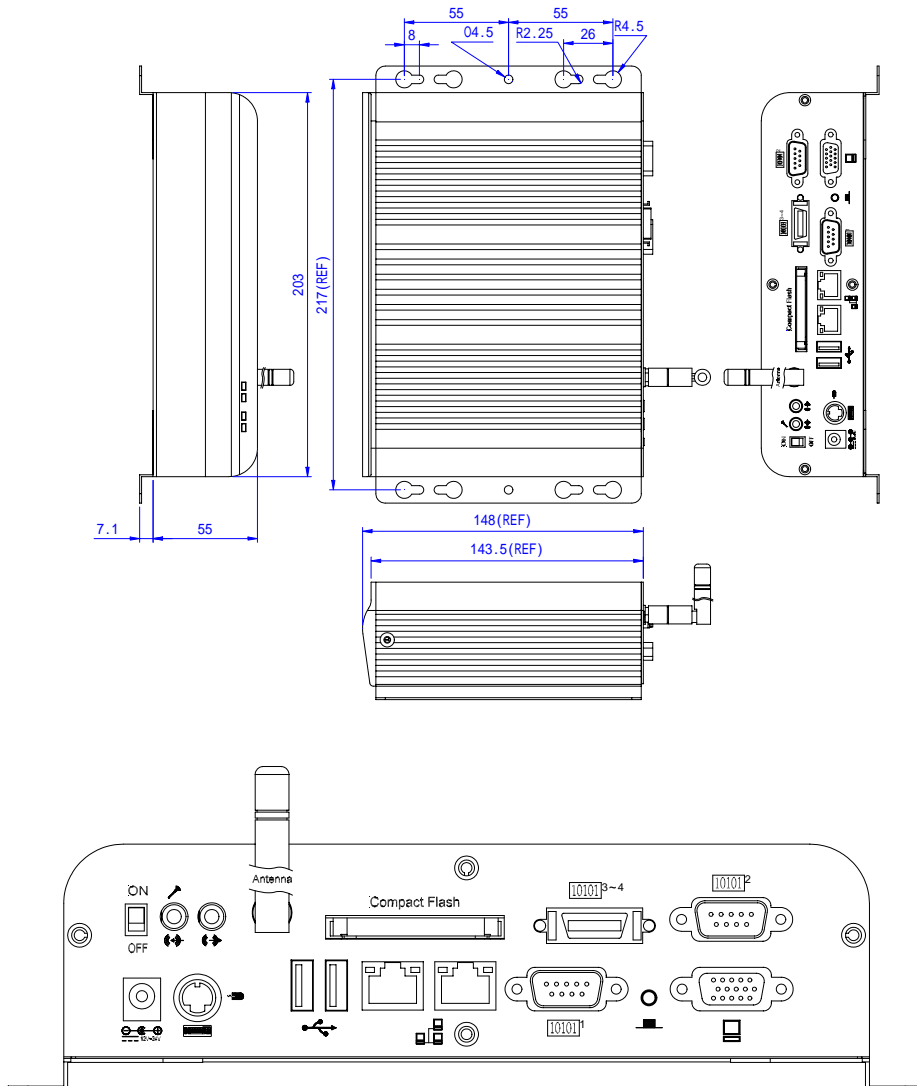## 1. Brief

The FX5503 is a compact size embedded system with Intel ultra-low-power (ULV) Celeron CPU module inside. This user's quick reference provides the I/O outlets description and their pin assignment.

## 2. Dimensions (in mm) and Rear Panel Information

3. Packing List

1 FX5503 embedded system.
1 AC to DC24V power adapter and 1 AC power code.
1 Y-type (3-terminal) PS/2 keyboard plus mouse port adapter cable.
1 COM port adapter cable.
1 pack of 2.5" hard disk installation guiders with 4 fixed screws
1 compact disc includes software utility.
1 hard copies of this quick reference.

4. Features

* **Processor Board**
  650 MHz Intel ultra-low-power (ULV) Celeron CPU with 256MB SDRAM.
* **I/O Outlets**
  2 100/10 base-TX Ethernet ports.
  2 USB ports and 4 RS-232 serial ports.
  1 CRT and 1 PS/2 compatible keyboard/mouse interface.
  1 Audio Line-In/microphone and 1 Audio Line-Out ear-jet connectors.
  1 mini-PCI socket for mini-PCI I/O modules.
  1 DC-In plug connector with power switch.
  1 power LED, 1 HDD/CF access LED, and 2 LAN LEDs.
* **Storage Bay**
  1 CompactFlash slot with ejector.
  One 2.5" hard disk space.
* **Power requirement**
  +12 ~ +24V DC with 15% tolerance, 18VA maximum.
* **Dimensions**
  148mm(D) x 203mm(W) x 55mm(H)

5. I/O outlets and LED Indicators

A. Power Connector

DC +12 to +24V, 15% tolerance
22VA minimum
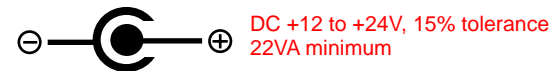
B. Keyboard and Mouse Connector (*6-pin mini-DIN, Female*)

Standard PS/2 keyboard can be plugged into this connector without any adapter cable. If PS/2 keyboard and mouse will be used simultaneously, an Y-type (3-terminal) adapter cable is needed.
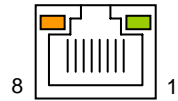
C. LED Indicators (On the front panel)

L1   L2   HDD PWR

Note: L1 and L2 LEDs indicate on-line/access status of LAN1 and LAN2 respectively.

D. LAN Connectors and LED Indicators (RJ45)

The left side LED (orange) indicates data is accessing and the right side LED (green) indicates on-line status. (When lighted indicates on-line and off indicates off-line).

Pin 1: TPTX+	Pin 5: FBG1
Pin 2: TPTX-	Pin 6: TPRX-
Pin 3: TPRX+	Pin 7: FBG2
Pin 4: FBG1	Pin 8: FBG2

E. USB Connectors

The left port is USB#1 and the right port is the USB#2.

F. CRT Connector (15-pin D-sub, Female)

(Front View)
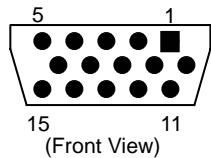
Pin 1: Red	Pin 12: DDC Data
Pin 2: Green	Pin 15: DDC Clock
Pin 3: Blue	Pin 5 & 10: Digital Ground
Pin 13: Hsync	Pin 6,7,8: Analog Ground
Pin 14: Vsync	Others: Not Used

G. Serial Port Connectors (9-pin Male D-sub and 20-pin Female SCSI-II)

The first 2 serial port connectors are standard 9-pin male D-sub. Use the included COM port adapter cable to transfer to standard 9-pin male D-sub connectors for serial port 3 and 4.

H. Audio Connectors and Select Jumper (J10 on FB4651 adapter board)

Mic-In
Line-In   Line-Out

J10   Microphone — Factory Preset
J10   Line-In
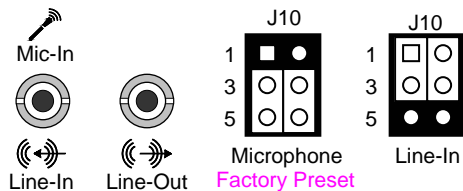
Note: Use the J10 (located at FB4651 adapter board inside the FX5503 box) to select Microphone or Line-In for left side Audio connector.

### I. IDE HDD Connector (IDE2 on FB4651 adapter board)

IDE2 is used to connect a 2.5" HDD directly. Please set the proper Master/Slave device for HDD in order to not conflict with CompactFlash slot.

## 6. Software Configuration and Driver Installation

Please refer to the driver installing documentaion in the included Compact Disc for installing what device driver you need. If you need to change the system settings or configurations of I/O ports, Please refer to the User's Manual (also in the included Compact Disc) for details.

7. Changing the SoDIMM on FX5503

The figure on the right side will guide you how to install the mini-PCI module and change the SoDIMM for the FX5503 system.
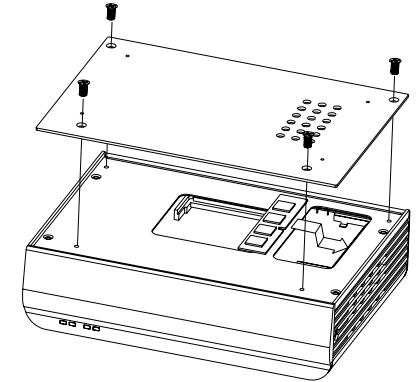
8. Installing/Ejecting 2.5" HDD into/from FX5503

The following figure will guide you how to install 2.5" HDD with guiders and plug into the FX5503.

HDD
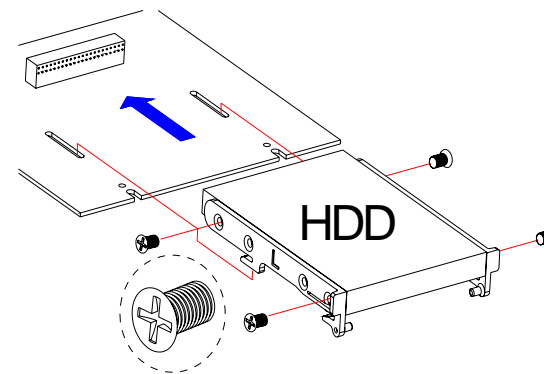
To eject the 2.5" hard disk, please refer the following steps:

Step 1: Open the front cover as shown on left-down figure.
Step 2: Use I-type screw driver or equivalent as shown on right-down figure and push ahead to eject the hard disk with guiders