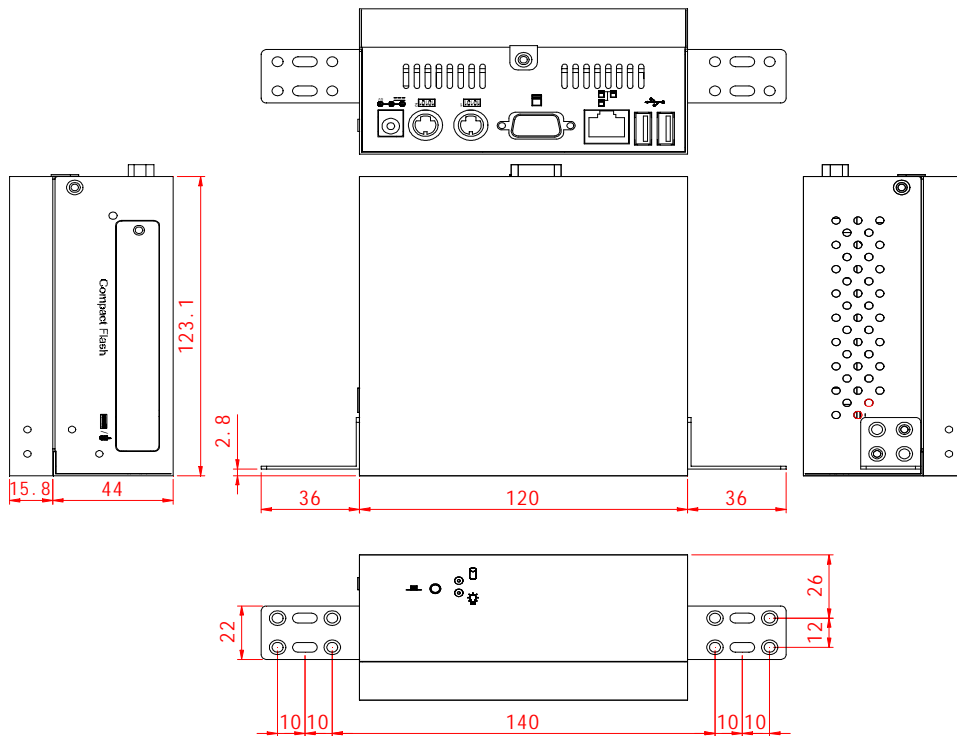


1. Brief

The FX5200 is a compact size embedded system with PC/104 low-power Pentium CPU module inside. This user's quick reference provides the I/O outlets description and their pin assignment.

2. Dimensions (in mm)



3. Packing List

- * **FX5200**
 - 1 FX5200 embedded system.
 - 1 AC to DC5V power adapter and 1 AC power code.
 - 1 serial port adapter cable. (The second cable is optional)
 - 1 Y-type (3-terminal) PS/2 keyboard plus mouse port adapter cable. (Optional)
 - 2 L-type universal fixers and 5 screws.
 - 6 stamp pads for this enclosure.
 - 1 compact disc includes software utility.
 - 1 hard copies of this quick reference.

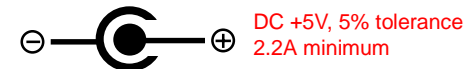
- * **FX5200K1 (Optional)**
 - 2 L-type 2.5" HDD fixers and 1 44-pin 2.5" HDD cable.
 - 2 screws for clip FX5200K1 with FX5200 on the front-bottom side.
 - 5 screws for fix 2.5" HDD with 2 L-type fixers.
 - 6 screws for fix 2.5" HDD module (above) and housing kit with FX5200.

4. Features

- * **Processor Board**
FB2510 inside, 300 MHz low-power Pentium CPU with 32MB SDRAM.
- * **I/O Outlets**
One 100/10 base-TX Ethernet port.
2 USB ports and 2 RS-232 serial ports.
1 CRT interface and 1 PS/2 compatible keyboard/mouse interface.
1 DC-In plug connector.
- * **Storage Bay**
1 CompactFlash slot with plug-in aperture and cover.
One 44-pin DiskOnModule space.
One 2.5" hard disk space with housing kit. (FX5200K1, Optional)
- * **Front Panel**
1 Push bottom reset switch.
1 power LED and 1 hard disk/CompactFlash access LED.
- * **Power requirement**
+5V DC with 5% tolerance, 1.5A maximum.
- * **Dimensions**
FX5200: 120.0mm(D) x 123.1mm(W) x 44.0mm(H) (**1U height**, w/o fixers)
FX5200K1: 120.0mm(D) x 123.1mm(W) x 15.8mm(H)

5. I/O outlets and LED Indicators

A. Power Connector



B. Keyboard and Mouse Connector (6-pin mini-DIN, Female)



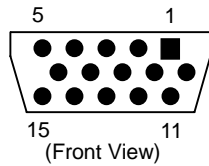
(Front View)

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. USB Connectors

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

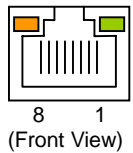
D. CRT Connector (15-pin D-sub, Female)



- | | |
|---------------|----------------------------|
| 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 |

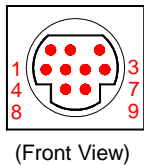
E. LAN Connector and LED Indicators (RJ45)

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 |

F. Serial Port Connectors (9-pin mini-DIN, Female)



- | | |
|---------------|-------------|
| Pin 1: -CTS | Pin 6: -RI |
| Pin 2: -RTS | Pin 7: -DSR |
| Pin 3: Ground | Pin 8: RXD |
| Pin 4: -DCD | Pin 9: TXD |
| Pin 5: -DTR | |

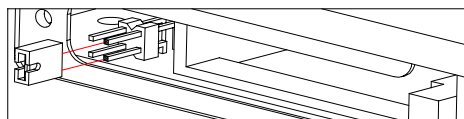
It is necessary to use the included serial port adapter cable for connecting 9-pin mini-DIN with 9-pin D-sub connector.

G. LED Indicators

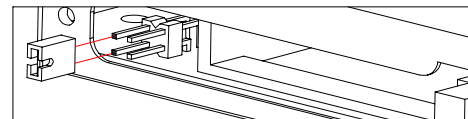
- Hard Disk/CompactFlash Access LED (Red)
- Power LED (Green)

Front View

H. CompactFlash Master/Slave Select (Jumper JP1 on FB4631 adapter board)



Master (Close right 2 pins, **Factory Preset**)



Slave (Close left 2 pins)

I. IDE and DiskOnModule Connectors (CN18 and CN12 on FB4631 adapter board)

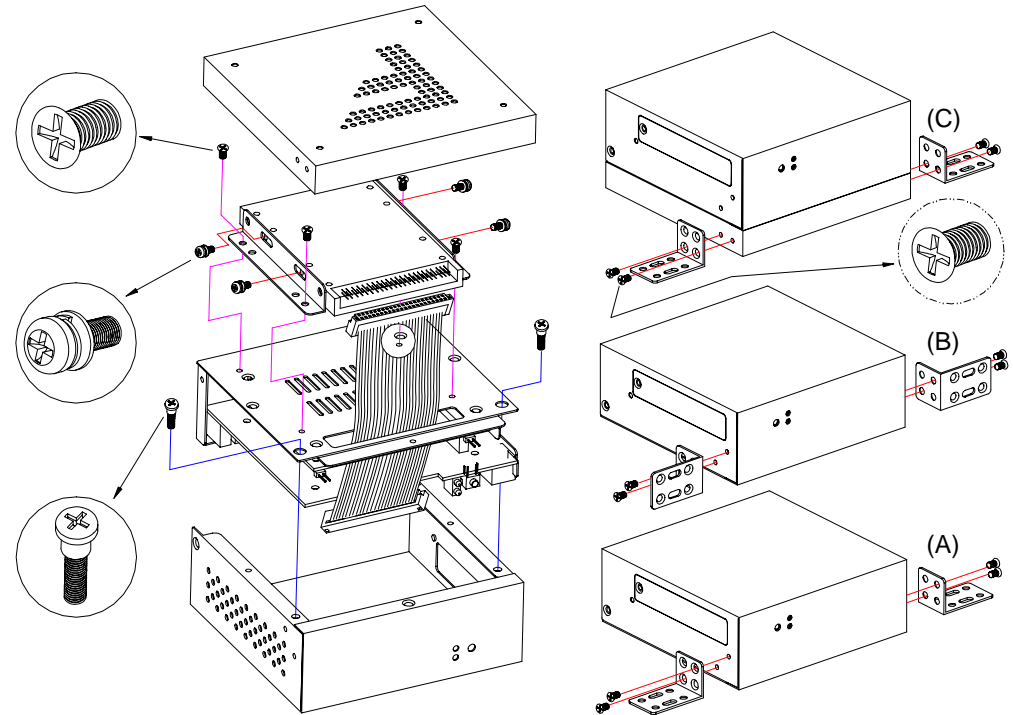
CN18 is used to connect FX5200K1 with 44-pin cable and CN12 is used to plug-in a DiskOnModule (DOM) flash disk. Please set the occupied devices of DOM and CompactFlash separately.

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. (Note: All FX5200 drivers are all the same with FB2510's)
If you need to change the system settings or configurations of I/O ports, Please refer to FB2510's User's Manual (also in the included Compact Disc) for details.

7. Installing the 2.5" HDD Housing Kit (FX5200K1)

The down-left side figure will guide you how to combine FX5200 with FX5200K1 and 2.5" HDD.



8. Installing the Fixers to FX5200 (FX5200K1)

The up-right figure illustrates 3 methods for you to install the FX5200 fixers.