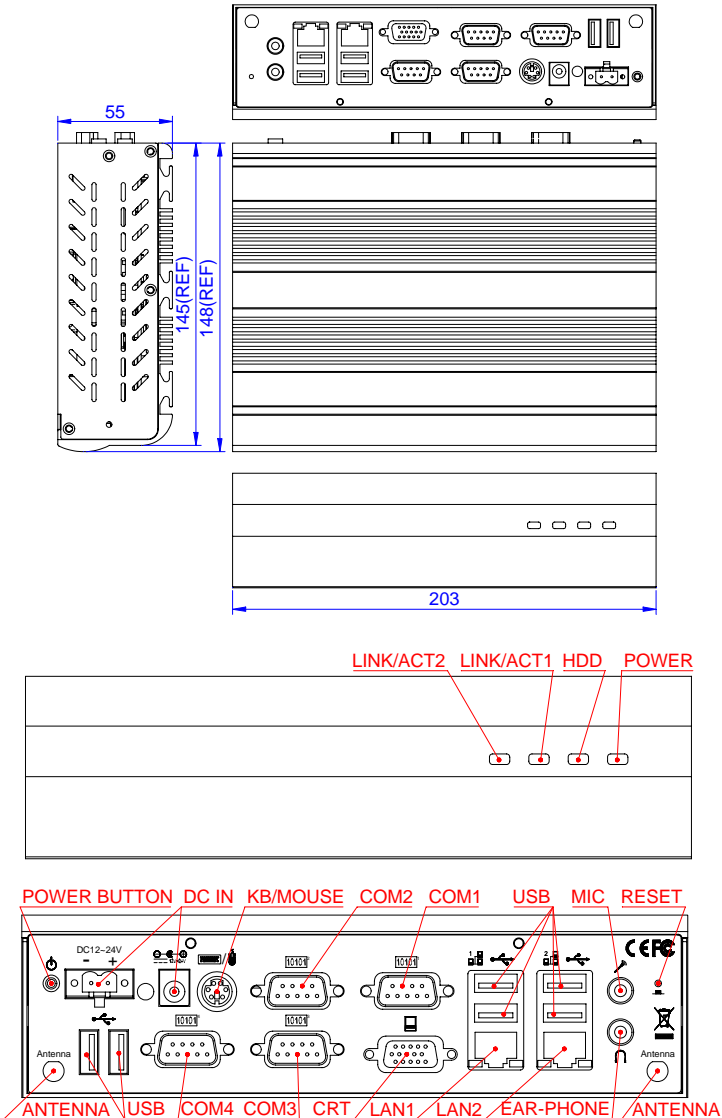


1. Brief

The FX5507 is a compact size embedded system with Intel ATOM D525 dual core processor board inside. This user's quick reference provides the I/O outlets description and their pin assignment.

2. Dimensions (in mm) and Front/Real Panel Information



3. Packing List

A. Standard Items

- 1 FX5507x embedded system.
- 1 AC to DC power adapter and 1 AC power cord cable.
- 2 SATA cables (signal & power) and 4 screws for fixing and connecting a 2.5" hard disk drive.
- 1 2-pin apatable terminal block and 2 screws for full size mini PCIe module installation.
- 1 compact disc includes software utilities and manuals.

B. Optional Items

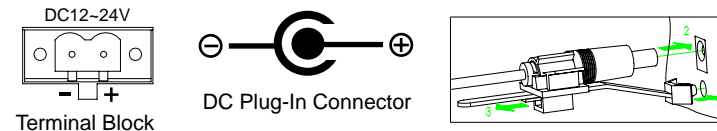
- 1 Y-type (3-end) PS/2 keyboard plus mouse port adapter cable. (PN: 7003000008G)
- 1 pack of half size mini PCIe module adapter kit. (1 piece of metal with 2 screws)
- 1 pack of wall mounting kit (FX5501K1, 2 stands with 4 screws, PN: 0606010009G)
- 1 pack of rack mounting kit (FX5501K2, 2 pieces of metal with 4 screws, PN: 0606010010G)
- 1 pack of panel back mounting kit (FX5504K1, 1 stand with 2 screws, PN: 0606010012G)

4. Features

- * **Processor Board**
Intel ATOM D525 Dual Core processor with 2GB DDR3 RAM.
- * **I/O Outlets**
Two 10/100/1000 base-TX Ethernet ports.
6 USB ports, 3 RS-232 serial ports, and 1 RS-232/422/485 serial port.
1 VGA and 1 PS/2 compatible keyboard/mouse interface.
1 Earphone and 1 Microphone connectors.
1 socket for mini PCIe modules, especially for WLAN/GPRS modules.
1 DC-In plug connector and 1 terminal block with 1 power switch.
- * **Storage Bay**
1 CompactFlash socket for CompactFlash modules or MicroDrives.
One 2.5" SATA hard disk space.
- * **Power requirement**
+12 ~ +24V DC, 2.33A maximum (1.18A typical) with 19V input voltage.
- * **Dimensions**
148mm(D) x 203mm(W) x 55mm(H)

5. I/O outlets and LED Indicators

A. Power Connectors (DC +12 to +24V, 55W minimum)



B. Keyboard/Mouse Connector

Standard PS/2 keyboard can be plugged into this connector without any adapter cable. If PS/2 keyboard and mouse will be used simultaneously, the optional Y-type adapter cable is needed.

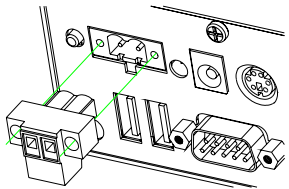
C. LAN LED Indicators (RJ45)

The LAN port is a RJ45 connector with 2 LEDs. The orange LED indicates data is accessing and the green LED indicates on-line status.

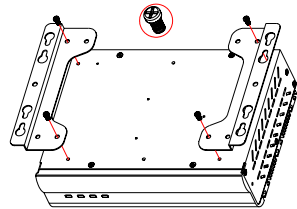
6. Software Configuration and Driver Installation

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 User's Manual (also in the included Compact Disc) for details.

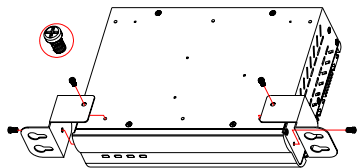
7. FX5507 Power Input and Mounting



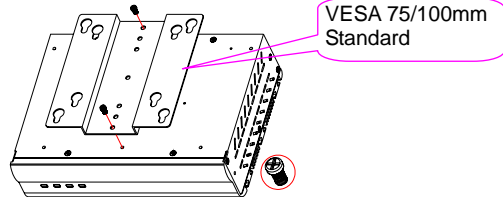
Use terminal block for power input



Wall Mounting (FX5501K1 kit)

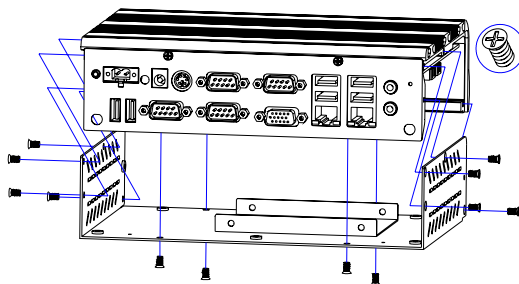


Rack Mounting (FX5501K2 kit)

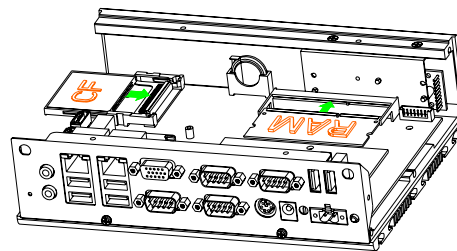


Panel Back Mounting (FX5504K1 kit)

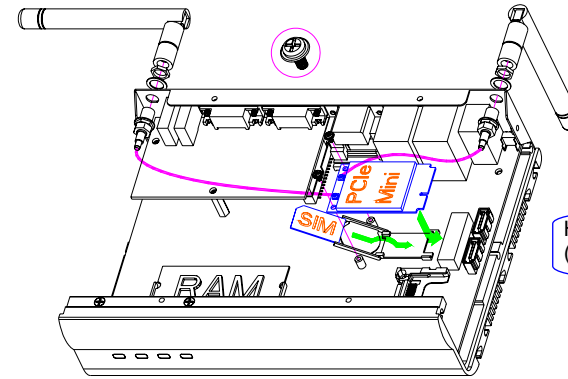
8. Installing Devices into FX5507



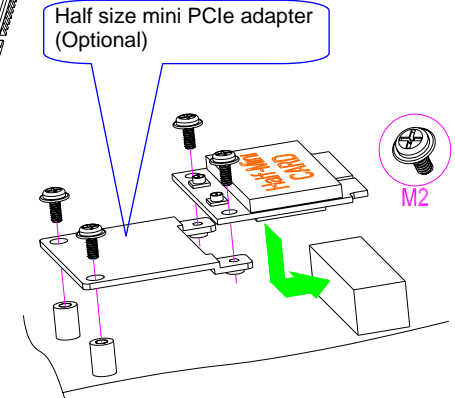
Step 1: Open the Bottom Cover (12 screws)



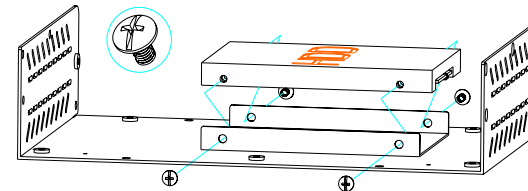
Step 2: Installing CF & DDR3 Modules



Step 3-1: Installing mini PCIe module, SIM Card, and Antenna(s)

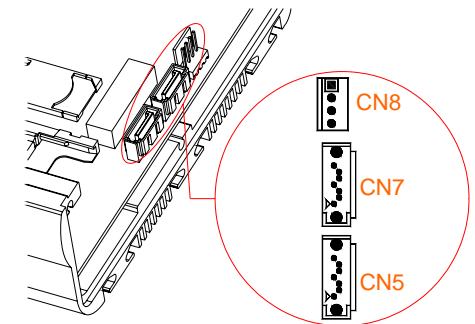


Step 3-2: Installing half-size mini PCIe module if necessary.



Step 4-1: Installing SATA HDD (4 Screws)

Step 4-2: Connecting power cable to CN8 of main board and signal cable to CN5 or CN7 for SATA HDD. (As the right figure shown)



Step 5: Close case with reverse procedures of open the case.

End of Document