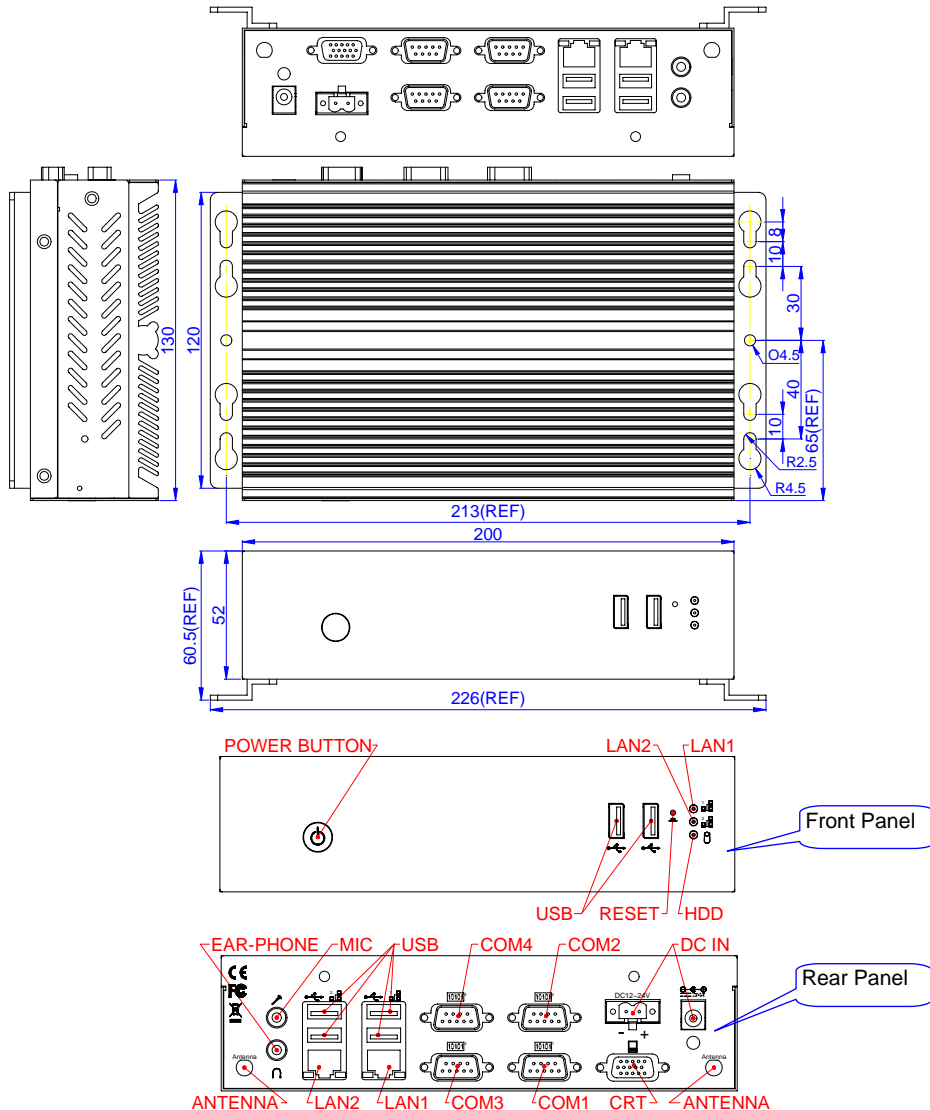


## 1. Brief

The FX5406x is a compact size embedded system with Intel® Atom™ D425 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 FX5406x embedded system.
- 1 AC to DC power adapter and 1 AC power cord cable.
- 1 pack of 2.5" SATA hard disk installation kit (2 cables with 4 fixed screws).
- 1 pack of wall mounting kit (2 pieces of metal with 4 fixed screws)
- 1 2-pin apartable terminal block.
- 1 compact disc includes software utilities and manuals.

### B. Optional Items

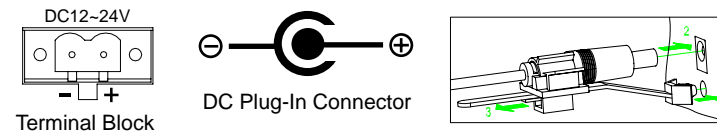
- Half size mini PCIe module adapter kit (AK1006, 1 piece of metal with 2 screws, P/N: 0606010028G)
- Rack mounting kit (FX5403K1, 2 pieces of metal with 4 screws, P/N: 0606010011G)
- Panel back mounting kit (FX5504K1, 1 stand with 2 screws, P/N: 0606010012G)

## 4. Features

- \* **Processor Board**  
Intel® Atom™ D425 (1.8GHz, 512KB L2, FSB 800MHz, 10 Watts) low power processor with 1GB (2GB maximum) DDR3 RAM.
- \* **I/O Outlets**  
Two 10/100/1000 base-TX Ethernet ports.  
6 USB ports, 2 RS-232, and 2 RS-232/422/485 serial ports.  
1 VGA, 1 Earphone and 1 Microphone connectors.  
1 DC-In plug connector, 1 terminal block, and 1 power switch with power LED indicator.  
1 HDD/CF access LED and 2 LAN LEDs.
- \* **Storage Bay**  
1 CompactFlash socket for CompactFlash modules or MicroDrives.  
1 SATA DOM space.  
One 2.5" SATA hard disk space.
- \* **Power requirement**  
+12 ~ +24V DC, 2.17A maximum (1.35A typical) with 19V input voltage.
- \* **Dimensions**  
130.0mm(D) x 200.0mm(W) x 52.0mm(H)

## 5. I/O outlets and LED Indicators

### A. Power Connectors (DC +12 to +24V, 52W minimum)



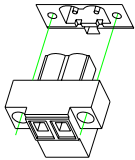
### B. LAN LED Indicators (RJ45)

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.

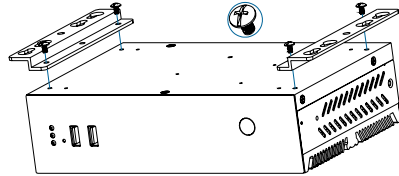
## 6. Software Configuration and Driver Installation

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.

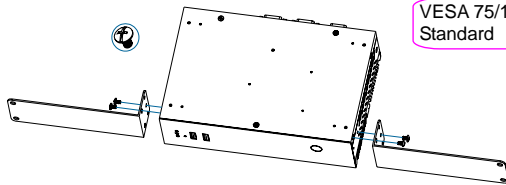
## 7. FX5406x Power Input and Mounting



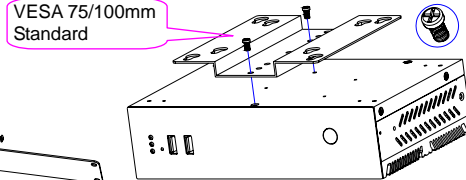
Use terminal block for power input



Wall Mounting (2 pieces of metal with 4 screws)

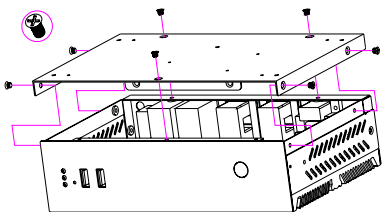


Rack Mounting (FX5403K1 kit, Optional)

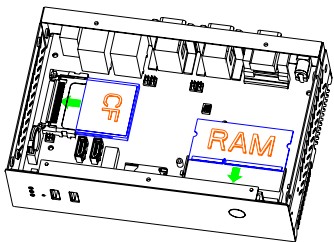


Panel Back Mounting (FX5504K1 kit, Optional)

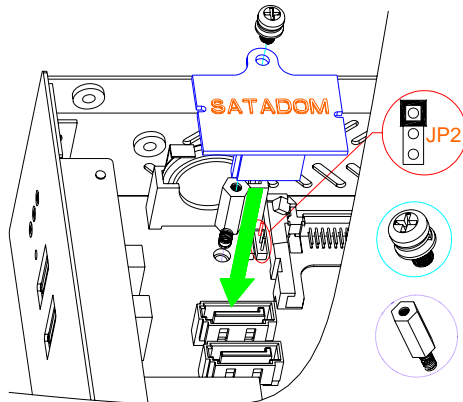
## 8. Installing Devices into FX5406x



Step 1: Open the Bottom Cover (6 screws)



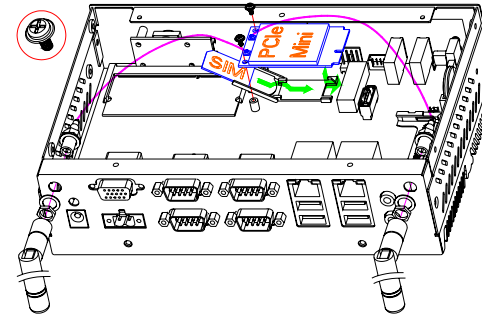
Step 2: Installing CF & DDR3 Modules



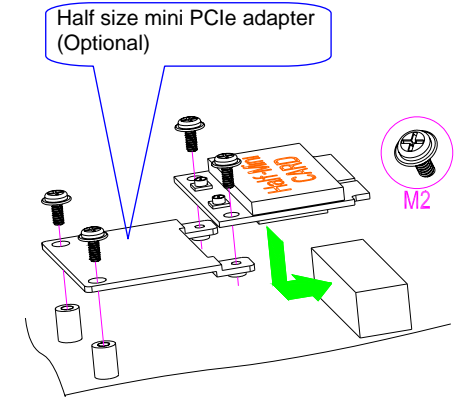
Step 3: Installing SATA DOM (optional) on SATA 1 connector if necessary.

**Note 1:** SATA 2 connector is used for internal SATA hard disk and SATA 1 connector is used for SATA DOM or SATA DVDROM for OS installation.

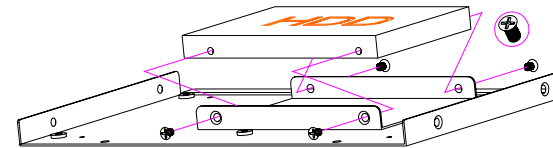
**Note 2:** Please refer to manual for setting JP2 to proper position when using SATA DOM.



Step 4-1: Installing mini PCIe module, SIM Card, and Antenna(s)

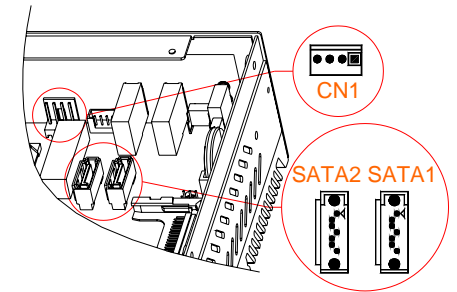


Step 4-2: Installing half-size mini PCIe module if necessary.



Step 5-1: Installing SATA HDD (4 Screws)

Step 5-2: Connecting power cable to CN1 of main board and signal cable to SATA 2 for SATA HDD. (As the right figure shown)



Step 6: Close case with reverse procedures of open the case.

End of Document