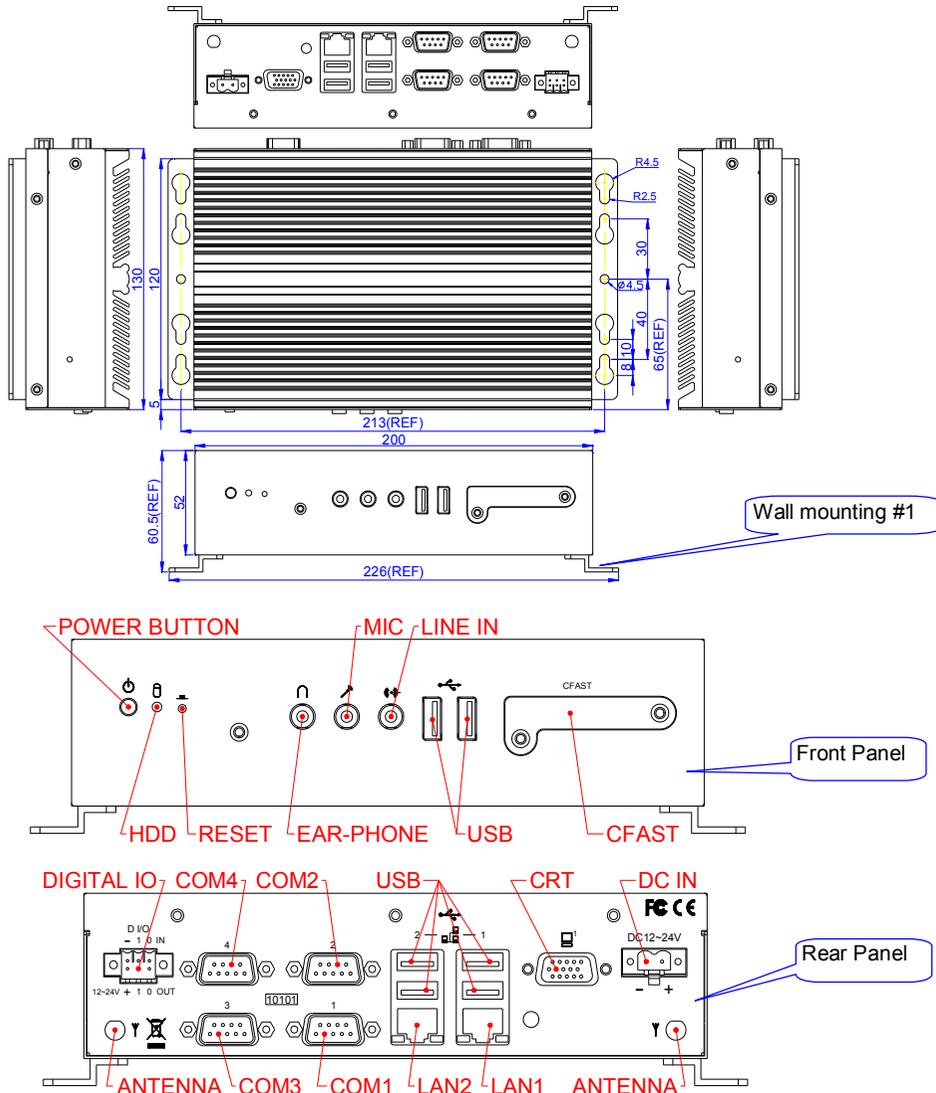


1. Brief

The FX5408x is a compact size embedded system with AMD® G-T40E™ 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 FX5408x embedded system.
- 1 pack of 2 apartable terminal blocks, 2-pin for power input and 6-pin for isolated digital I/Os.
- 1 pack of wall mounting kit #1 (2 pieces of metals with 4 screws)
- 1 pack of (4+2) screws for 2.5" SATA HDD installation and mini-card installation.
- 1 compact disc includes software utilities and manuals.

B. Optional Items

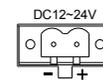
- Half size mini PCIe module adapter kit (AK1006, 1 piece of metal with 2 screws, P/N: 0606010028G)
- Wall mounting kit #2 (FX5407K2, 2 pieces of metal with 4 fixed screws, P/N: 0606010037R)
- Panel back mounting kit #1 (FX5407K3, 2 pieces of metal with 12 screws, P/N: 0606010038R)
- Panel back mounting kit #2 (FX5504K1, 1 pieces of metal with 2 screws, P/N: 0606010012G)
- Rack mounting kit (FX5403K1, 2 pieces of metal with 4 screws, P/N: 0606010011G)

4. Features

- * **Processor Board**
AMD® G-T40E™ (1.0GHz, Dual core, 512KB Cache, FSB 1066MHz, 6.4 Watts) low power processor with 4GB (8GB maximum) DDR3L RAM.
- * **I/O Outlets**
Two 10/100/1000 base-TX Ethernet ports with LEDs.
6 USB and 4 RS-232 serial ports.
1 VGA and 3 Audio (Earphone, Microphone, and Line-In) connectors,
1 terminal block for power input, 1 power button and 1 reset button.
1 terminal block for 4 isolated digital I/Os.
1 HDD/CFAST access LED and 2 antenna installation holes
- * **Storage Bay**
1 CFAST socket.
1 mSATA socket **-or-** 1 mini PCIe socket with 1 SIM socket. (Choice 1 of these 2)
One 2.5" SATA hard disk space.
- * **Power requirement**
+12 ~ +24V DC, 2.4 maximum (1.1A typical) with 19V input voltage.
- * **Dimensions**
130.0mm(D) x 200.0mm(W) x 52.0mm(H) without rubber stands and wall mounting kit.

5. I/O outlets and LED Indicators

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



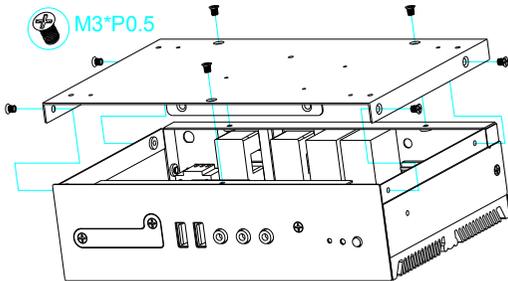
B. LAN LED Indicators (RJ45)

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.

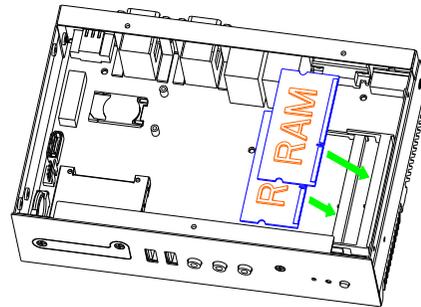
6. Software Configuration and Driver Installation

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.

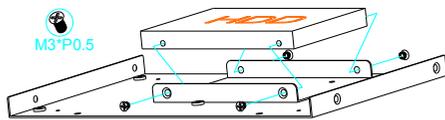
7. Installing Devices into FX5408x



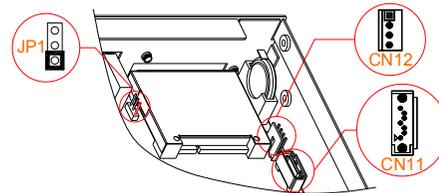
Step 1: Open the Bottom Cover (7 screws)



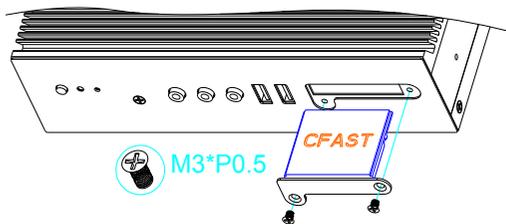
Step 2: Installing DDR3L Modules



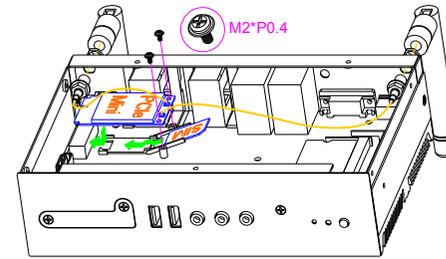
Step 3-1: Installing SATA HDD (4 Screws)



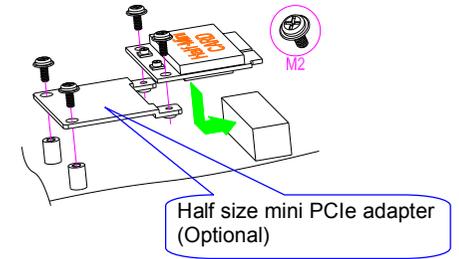
Step 3-2: Connects included SATA cable and SATA power cable to CN11 and CN12 properly.



Step 4: Installing CFAST Modules. (2 screws)



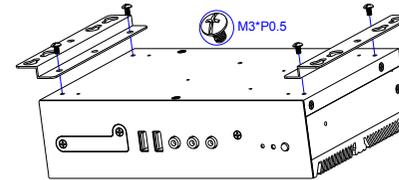
Step 5-1: Installing mini PCIe module and Antenna(s)



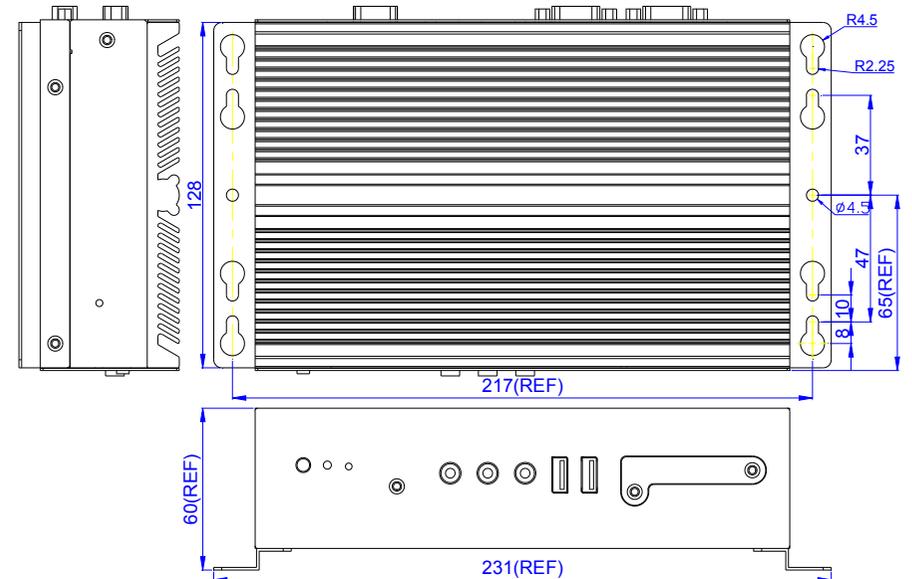
Step 5-2: Installing half-size mini PCIe module if necessary.

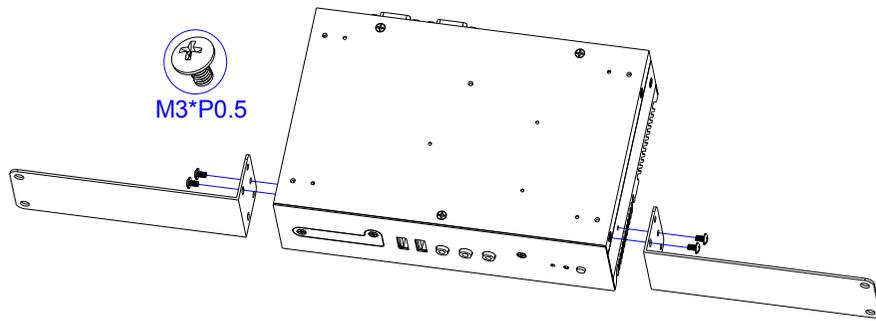
Step 6: Close bottom cover with reverse procedures of open it.

8. FX5408x Mounting

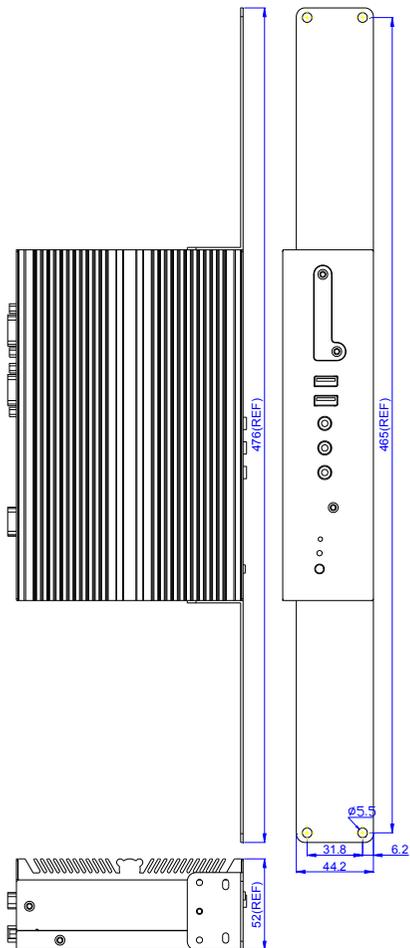


A. Wall mounting kit #2 (FX5407K2, optional) and its dimensions

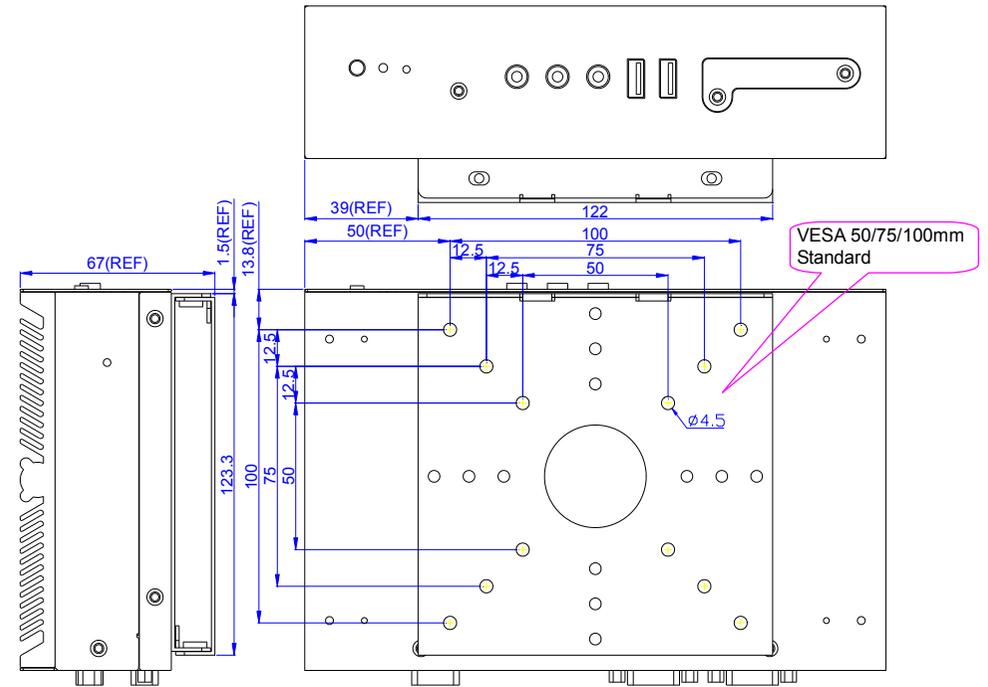
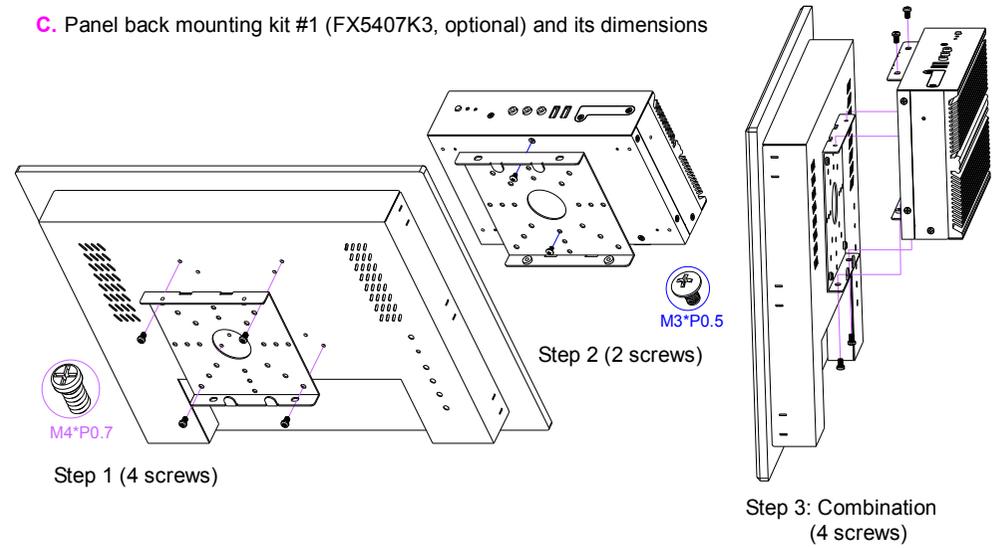




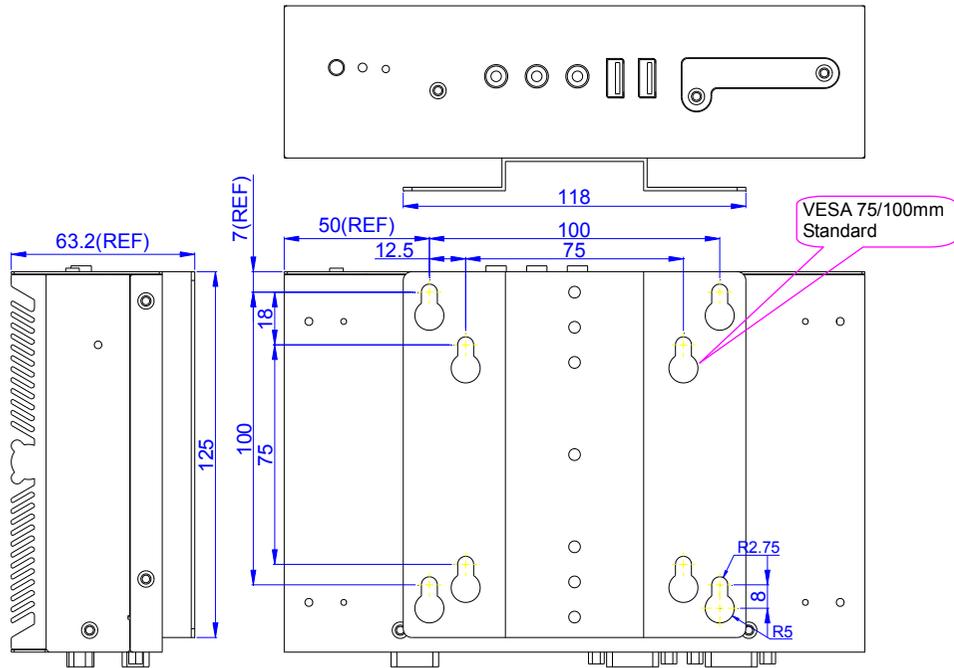
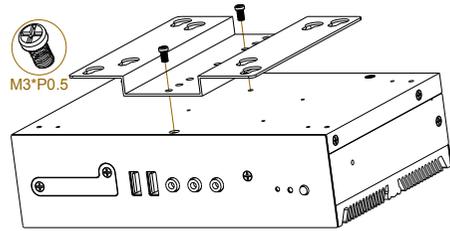
B. Rack mounting kit (FX5403K1, optional) and its dimensions



C. Panel back mounting kit #1 (FX5407K3, optional) and its dimensions



D. Panel back mounting kit #2 (FX5504K1, optional) and its dimensions



End of Document