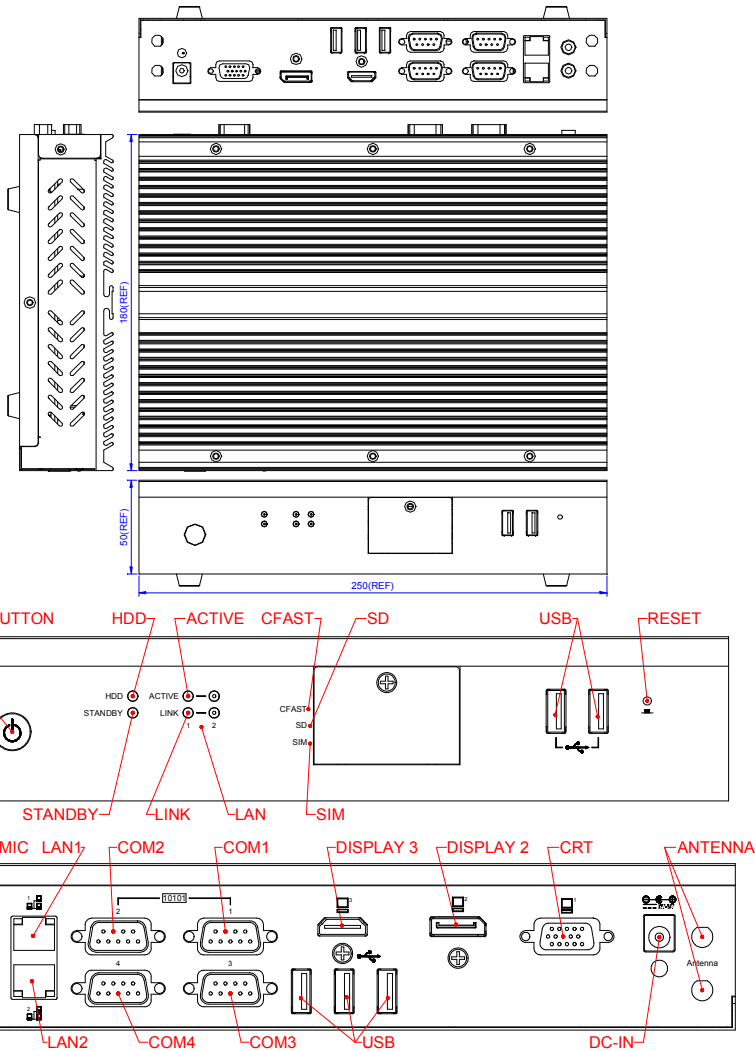


1. Brief

The FX5653 is a fanless, compact size embedded system with Intel® Atom™ D2550 processor board inside. This user's quick reference provides the I/O outlets description and their pin assignment.

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



3. Packing List

A. Standard Items

- 1 FX5653 embedded system.
- 1 AC to DC power adapter and 1 AC power cord cable.
- 1 pack of 2.5" SATA hard disk installation kit (1 metal dock with 4+2 fixed screws).
- 1 pack of mini-card fixed screws (4 screws).
- 1 pack of cabling and locks for DC-In plug connector.
- 1 compact disc includes software utilities and manuals.

B. Optional Items

- Wall mounting kit (FX5501K1, P/N: 0606010009G-20, 2 pieces of metal with 4 fixed screws)
- Panel mounting kit (FX5504K1, P/N: 0606010012G, 1 piece of metal with 2 fixed screws)
- Rack mounting kit (FX5622K1, P/N: 0606010024G, 2 pieces of metal with 4 fixed screws)

4. Features

* Processor Board

Intel® Atom™ D2550 (1.86GHz, 1MB L2, FSB 800/1066MHz, 10 Watts) low power processor with 4GB DDR3 RAM. (4GB DDR3 is maximum)

* I/O Outlets

Two 10/100/1000 base-TX Ethernet ports, 5 USB ports, and 4 RS-232 serial ports.
1 VGA (Analog), 1 DP display port, and 1 HD display port.
1 Microphone and 1 Line-out (Earphone) connectors.
1 DC-In plug connector and 1 power button with power LED indicator.
1 HDD/CFast access LED and 4 LAN LEDs.

* Storage Bay

1 CFast socket, 1 SD socket, and 1 SIM socket.
2 mini PCIe sockets (1 for full size mini cards and 1 for half size mini cards).
One 2.5" SATA hard disk space.

* Power requirement

+12 ~ +24V DC, 2.56A maximum (1.44A typical) with 19V input voltage.

* Dimensions

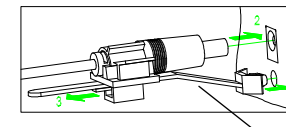
180.0mm (D) x 250.0mm (W) x 50.0mm (H) without rubber stands and wall mounting kit.

5. I/O outlets and LED Indicators

A. Power Connectors (DC +12 to +24V, 60W minimum)



DC Plug-In Connector



Included cabling and locks

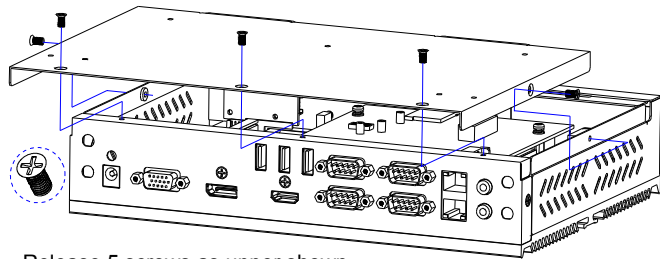
B. LAN LED Indicators (RJ45)

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.

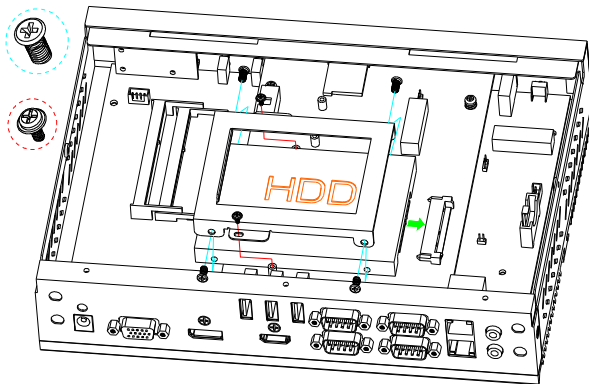
6. Software Configuration and Driver Installation

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.

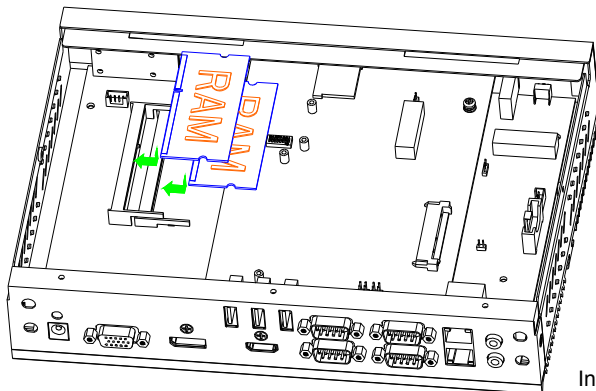
7. Open the Bottom Cover for installing HDD, DRAM, and mini cards (WLAN+Antenna)



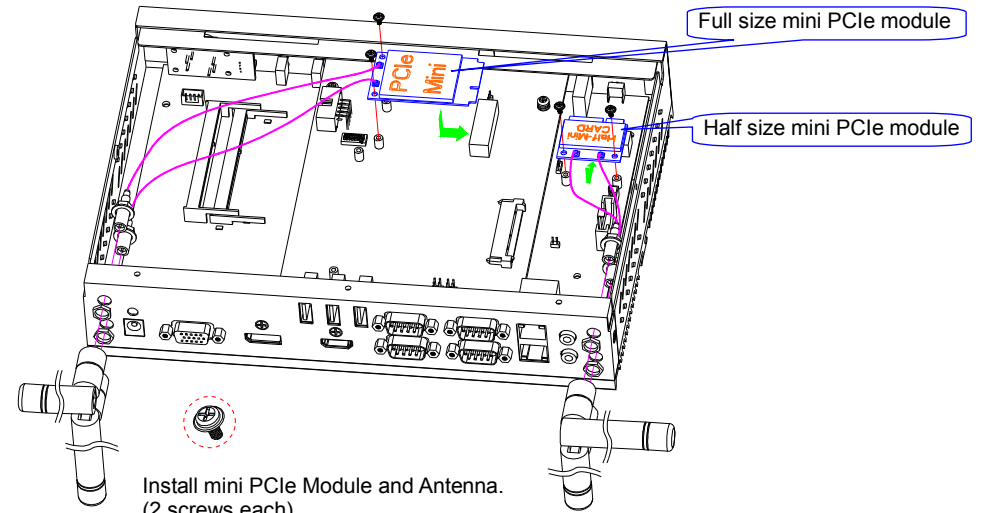
Release 5 screws as upper shown



Install SATA HDD with HDD kit.
(4+2 screws)



Install DDR3 RAM Module (2 sockets)



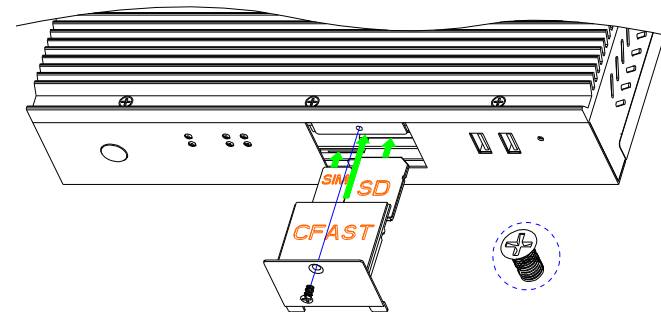
Full size mini PCIe module

Half size mini PCIe module

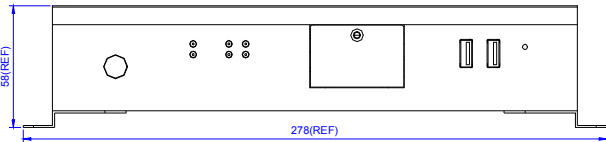
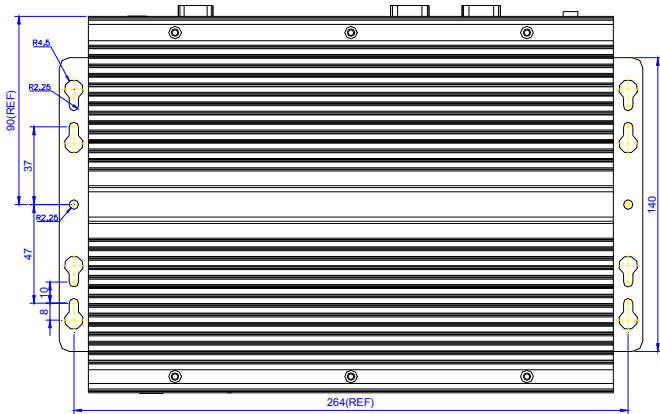
Install mini PCIe Module and Antenna.
(2 screws each)

After all installations done, close bottom cover and fasten 5 screws

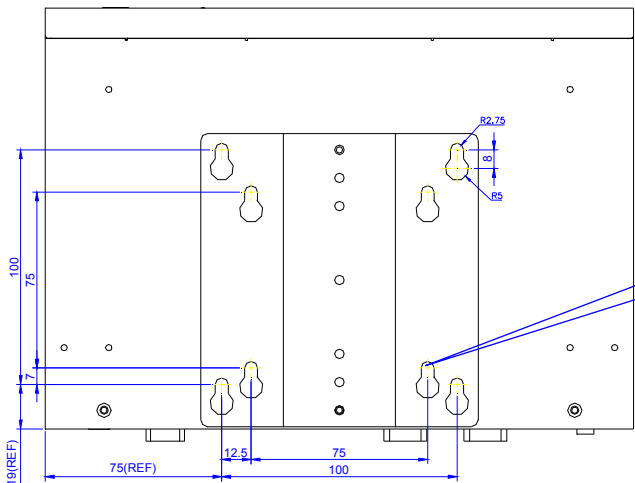
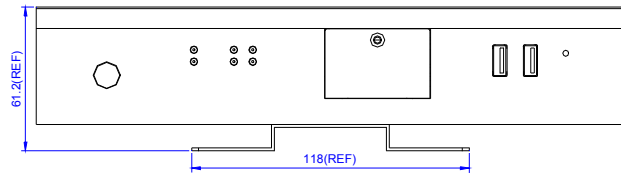
8. Installing CFast, SD, and SIM Modules (Located at front panel, 1 screw)



9. Installing Mounting Kit (Optional)

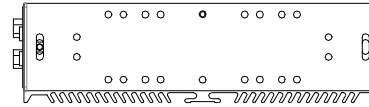
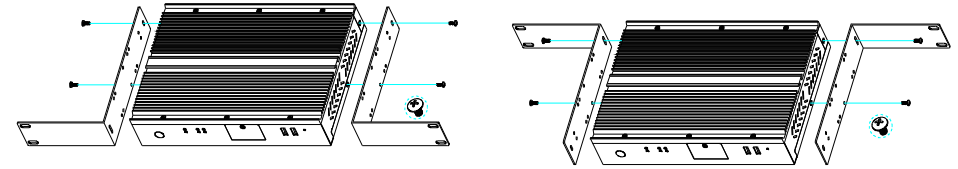


Wall mounting kit and its installation dimensions

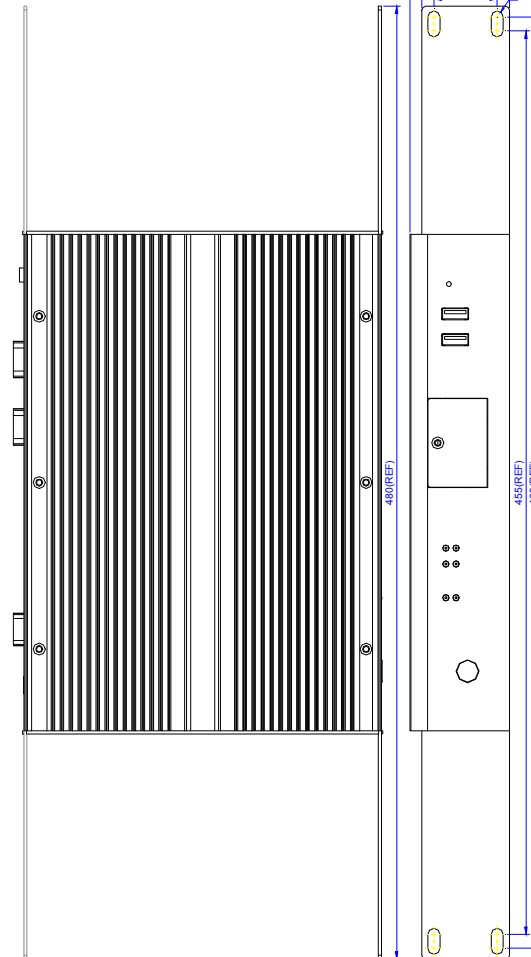


VESA 75/100 standard

Panel mounting kit and its installation dimensions



Rack mounting kit and its installation dimensions (2 type installations)



End of Document