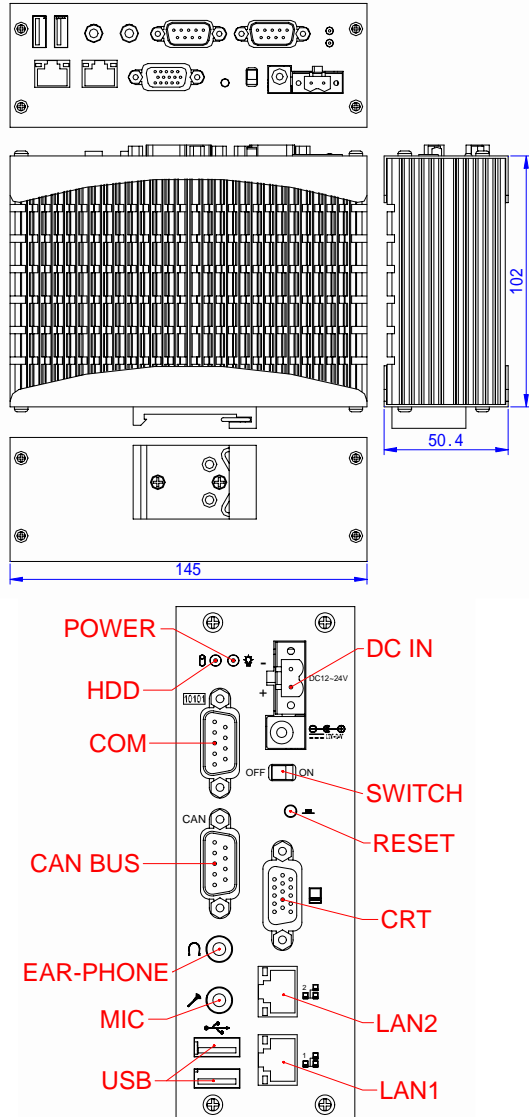## 1. Brief

The FX5312 is a compact size embedded system with Din-Rail mounting and VIA Eden processor board inside. This user's quick reference provides the I/O outlets description and their pin assignment.

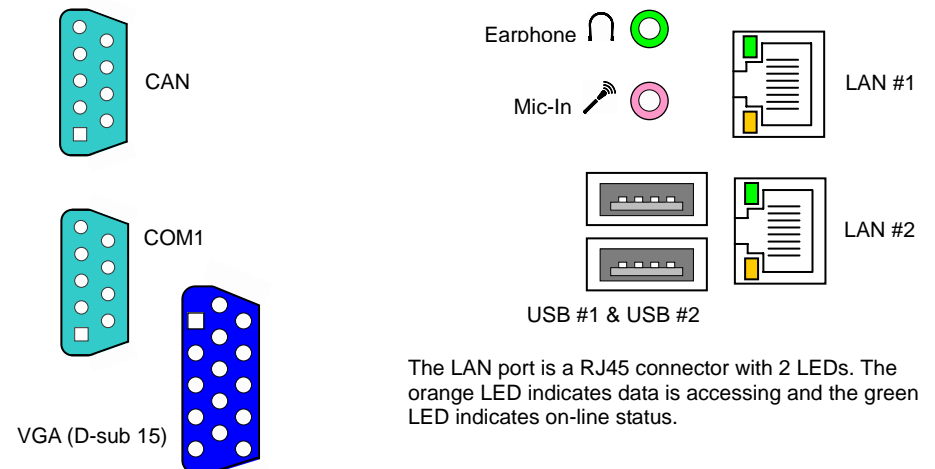## 2. Dimensions (in mm) and Front Panel Information

3. Packing List

1 FX5312 embedded system.
1 2.5" SATA hard disk installation kit with 6 screws.
1 Din-Rail mounting kit with 2 screws.
1 2-pin apartable terminal block.
1 compact disc includes software utility.

4. Features

* **Processor Board**
  VIA Eden (V4) 1GHz low power processor with 1GB DDR2 RAM.
* **I/O Outlets**
  Two 10/100 base-TX Ethernet ports.
  2 USB ports (V2.0), 1 RS232, and 1 CAN Bus ports.
  1 VGA interface, 1 Earphone and 1 Microphone connectors.
  1 DC-Jack and 1 terminal block for DC power input.
  1 power LED, 1 HDD/CF access LED, and 4 LAN LEDs.
  1 Push button reset switch.
* **Storage Bay**
  1 CompactFlash socket for CompactFlash modules or MicroDrives.
  One 2.5" SATA hard disk space.
* **Power requirement**
  +12 ~ +24V DC, 1.26A maximum (0.82A typical) with DC 19V input.
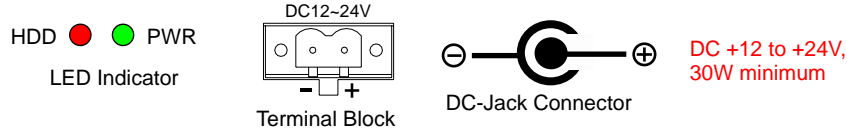* **Dimensions**
  102.0mm(D) x 50.4mm(W) x 145mm(H)

5. I/O outlets and LED Indicators

A. Serial Port, USB, Audio, LAN Connectors, and LED Indicators

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.

B. Power Connector and LED Indicators

HDD 🔴 🟢 PWR

LED Indicator

DC12~24V

Terminal Block

DC-Jack Connector
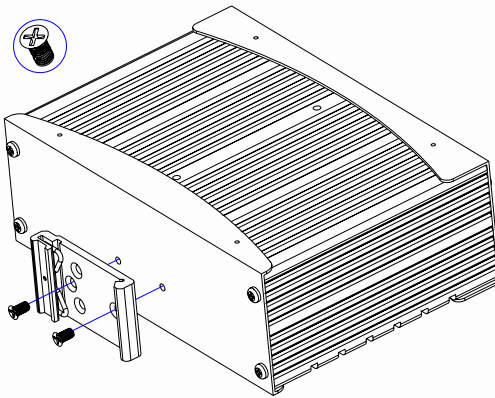
DC +12 to +24V, 30W minimum
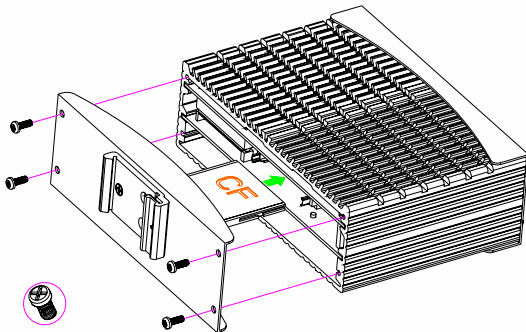
6. Software Configuration and Driver Installation

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.
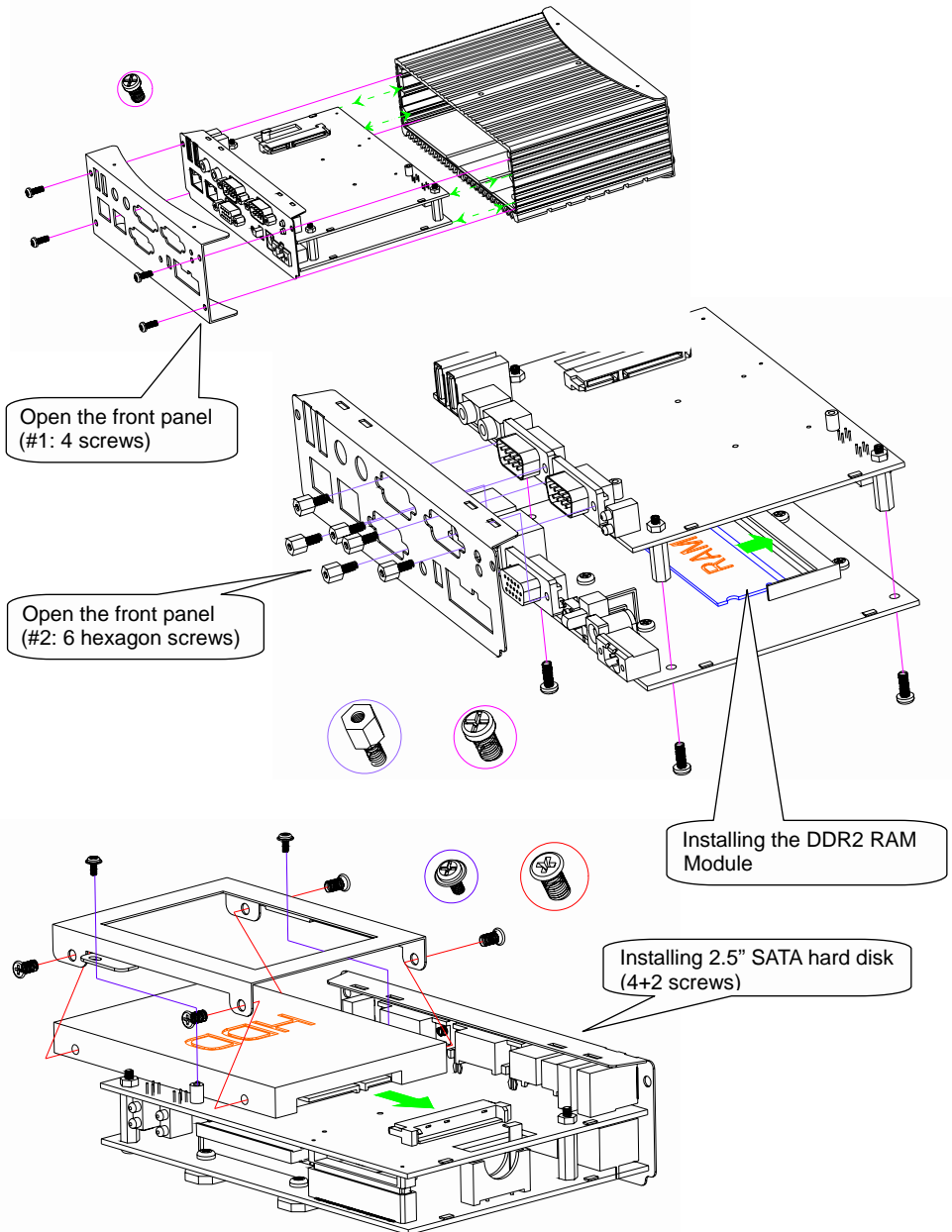
7. Installing the Din-Rail Adapter on FX5312

Please refer to the right figure for installing the FX5312 with Din-Rail adapter.

8. Installing CompactFlash into FX5312

CF

9. Installing/Changing SATA Hard Disk and DDR2 RAM Module on FX5312

Open the front panel (#1: 4 screws)

Open the front panel (#2: 6 hexagon screws)

RAM

Installing the DDR2 RAM Module

HDD

Installing 2.5" SATA hard disk (4+2 screws)

End of Document