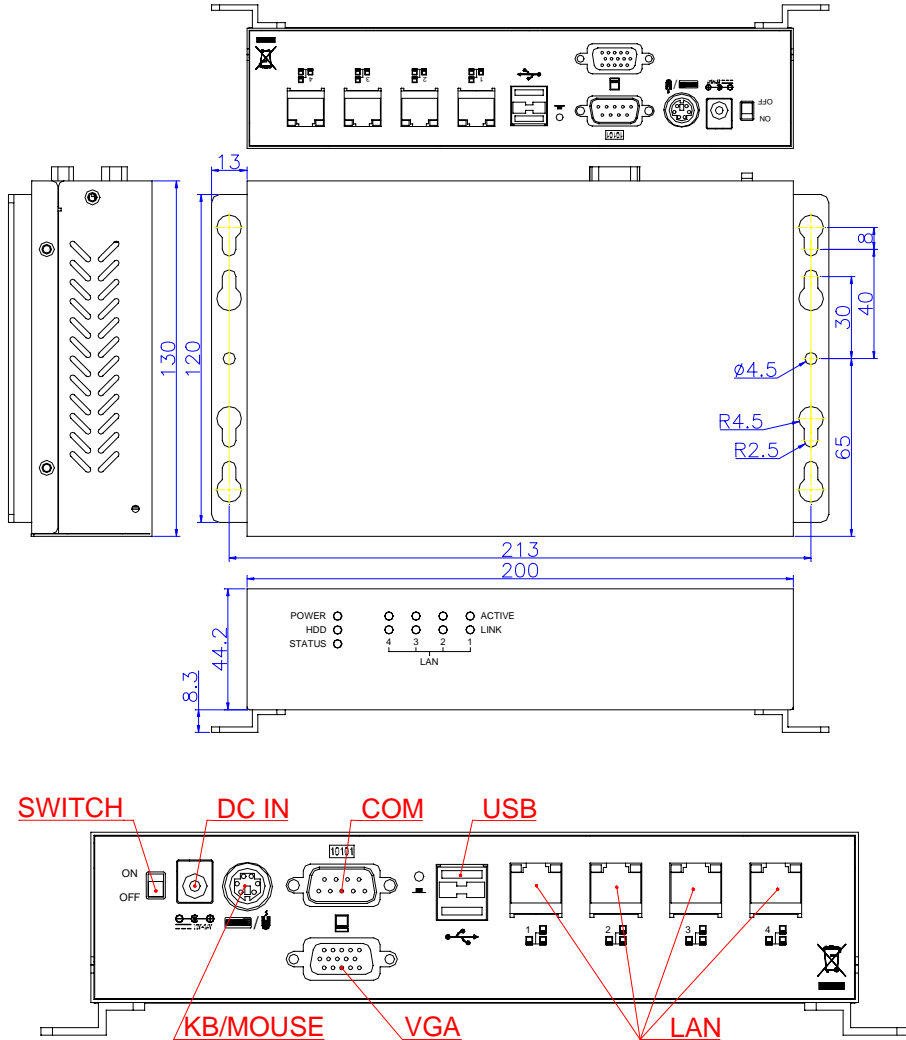


## 1. Brief

The FX5420 is a compact size embedded system with AMD low-power LX-800 processor board inside. This user's quick reference provides the I/O outlets description and their pin assignment.

## 2. Dimensions (in mm)



## 3. Packing List

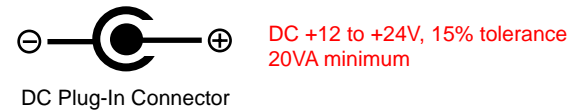
- 1 FX5420 embedded system.
- 1 AC to DC power adapter and 1 AC power code cable.
- 1 Y-type (3-end) PS/2 keyboard plus mouse port adapter cable.
- 1 44-pin flat cable and 4 screws for fixing and connecting a 2.5" hard disk drive.
- 2 L-type universal fixers and 6 screws.
- 1 compact disc includes software utility.
- 1 hard copies of this quick reference.

## 4. Features

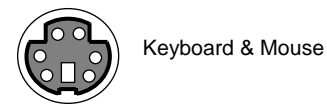
- \* **Processor Board**  
AMD low power LX-800 processor with 256MB DDR RAM.
- \* **I/O Outlets**  
Four 10/100/1000 base-TX Ethernet ports.  
2 USB (V2.0) and 1 RS-232 serial ports.  
1 CRT and 1 PS/2 compatible keyboard/mouse interface.  
1 DC-In plug connector and 1 power switch.  
1 power LED, 1 HDD/CF access LED, 1 user defined status LED, and 8 LAN LEDs.  
1 Push button reset switch.
- \* **Storage Bay**  
1 CompactFlash socket for CompactFlash modules or MicroDrives.  
One 2.5" hard disk space.
- \* **Power requirement**  
+12 ~ +24V DC with 15% tolerance, 10VA maximum with 2.5" HDD and 19V input voltage.
- \* **Dimensions (1U height)**  
130.0mm(D) x 200.0mm(W) x 44.2mm(H)

## 5. I/O outlets and LED Indicators

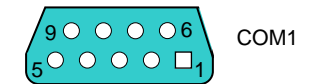
### A. Power Connector



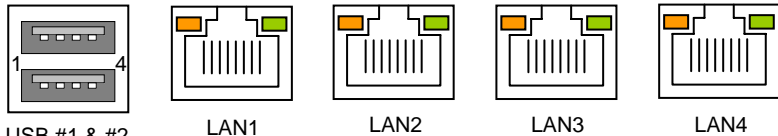
### B. CRT, Serial Port, and Keyboard/Mouse Connectors



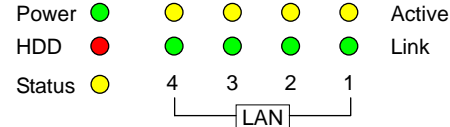
Standard PS/2 keyboard can be plugged into this connector without any adapter cable. If PS/2 keyboard and mouse will be used simultaneously, the included Y-type adapter cable is needed.



### C. USB/LAN Connectors and LED Indicators (RJ45)



The LAN port is a RJ45 connector with 2 LEDs. The right side LED (orange) indicates data is accessing and the left side LED (green) indicates on-line status. (When lighted indicates on-line and off indicates off-line)

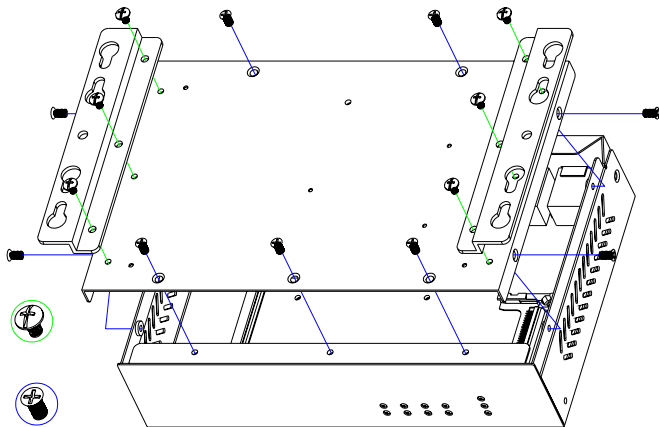


### 6. Software Configuration and Driver Installation

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 L-type universal fixers on FX5420

Please refer to the next figure for installing the FX5420 with L-type universal fixers.



### 8. Installing RAM Module, CompactFlash module, and 2.5" HDD into FX5420

- Step 1: Open the bottom cover after release 9 fix screws as shown on the right figure.
- Step 2: Install 2.5" HDD to the HDD dock with included HDD screws as the upper side figure shown.
- Step 3: Install RAM module and CompactFlash module as the down side figure shown.
- Step 4: Close the bottom cover and fasten fix screws.

