

# D-Storm Series

High-end Rackmount case

**iStarUSA™**

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Installation and User Guide

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## Safety Instructions

Please read this section carefully and observer the instructions for you own safety and correct use of the device. It also contains information on approval and interference suppression of your machine.

Observe the warnings and instructions on the device and in the manual.

In order to maintain this condition and ensure safe operation, the user must observe the instructions and warnings contained in this manual.

- ❖ The device must be used in accordance with the instruction for use.
- ❖ The electrical installations in the room must correspond to the requirements of the respective regulations.
- ❖ Take care that there are no cables, particularly mains cables, in areas where persons can trip over them.
- ❖ Do not use a mains connection in sockets shared by a number of other power consumers. Do not use an extension cable.
- ❖ Only use the mains cable supplied.
- ❖ The unit is complete disconnected from the power source, only when the power cord is disconnected from the power source. Therefore the power cord and its connectors must always remain easily accessible.
- ❖ Do not set up the device in the proximity of heat sources or in a damp location. Make sure the device has adequate ventilation.
- ❖ All plugs on the connection cables must be screwed or locked to the housing.
- ❖ Do not touch the board or any other sensitive components without all necessary anti-static protection.

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## Introduction

Thank you for choosing iStarUSA's Products.

The D-Storm series Rackmount chassis is a high-end industrial level computer system enclosure line. From 2U to 4U, there are total 13 different models to satisfy various application requirements. D-Storm series Rackmount cases are designed according to the 19" Rackmount standard and work with most of the rack in today's market. D-Storm can provide your system a safe and strong enclosure. It can also work with many different accessories to extend the capacity of your system. The D-Storm series case has been designed and manufactured to comply with the FCC standard for EMI and RFI resistance.

## Features

- Standard 19" Rackmount case
- 1.2mm SECC Zinc-Coated Steel body or Aluminum
- Lockable front door
- Detachable card cage for easy installation and maintenance
- Washable air filter
- USB2.0 port in the front
- Optional color door (Red/Blue/Silver/OEM Color)
- Optional DVR Backplane
- Optional temperature detecting board and fan controller
- FCC/CW industrial Class A approval

# Specification

Model	MB factor	Dimensions	Drive Bay	Cooling Fan
D-200	12"x9.6"	19"x20.8"x3.5"	Ext: 2x5.25" & 2x 3.5"	1x80mm
D-200L	12"x13"	19"x27.1"x3.5"	Ext: 2x5.25" 2x3.25"	3x80mm
D-300	12"x9.6"	19"x20.8"x5.2"	Ext: 1x3.5" 4x5.25" Int: 2x3.5	1x60mm
D-300-14	14 Slots PSB	19"x20.8"x5.2"	Ext: 1x3.5" 4x5.25" Int: 2x3.5	2x80mm
D-300AL	12"x9.6"	19"x20.8"x5.2"	Ext: 1x3.5" 4x5.25" Int: 2x3.5	1x60mm
D-300L	12"x13"	19"x27.1"x5.2"	Ext: 1x3.5" 4x5.25" Int: 2x3.5	3x80mm
D-300L-F	12"x13"	19"x27.1"x5.2"	Ext: 1 x 3.5" 2x5.24" Inr: 10x3,25"	3x80mm
D-400	12"x13"	19"x20.8"x7.0"	Ext: 1x3.5" 4x5.25" Int: 2x3.5"	1x120mm 1x80mm
D-400-6	12"x13"	19"x20.8"x7.0"	Ext: 2x3.5" 6x5.25" Int: 2x3.5"	1x80mm
D-400-14	14 Slots PSB	19"x20.8"x7.0"	Ext: 1x3.5" 4x5.25" Int: 2x3.5"	1x120mm 1x80mm
D-400AL	12"x13"	19"x20.8"x7.0"	Ext: 1x3.5" 4x5.25" Int: 2x3.5"	1x120mm 1x80mm
D-400L	12"x13"	19"x27.1"x7.0"	Ext: 1x3.5" 7x5.25" Int: 1x3.5	3x120mm
D-400L-14	14 Slots PSB	19"x27.1"x7.0"	Ext: 1x3.5" 7x5.25" Int: 1x3.5	3x120mm

Attitude: 15,000 feet

Power Supply: 2U, 3U, ATX, Mini Redundant

Temperature: 0-50C (operating; 1-70C (storage)

Humidity: 5-95%, non-condensing

Safety Standard: FCC/CE on chassis

FCC/CE/UL/TUV on power supply

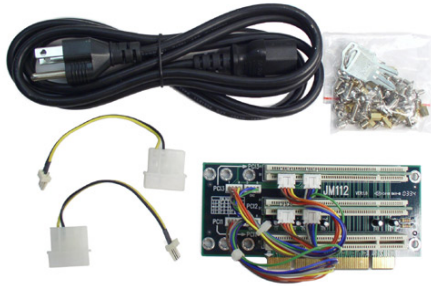
## Package Contents

- Items included in this package
- D-Storm case
- Accessory box
- 2U raiser card w/ 3 X 32Bit PCI slots (for 2U case only)
- Temperature detecting and Fan controller board (Optional)
- Star Power Supply (Optional)
- Sliding Rail 20", 24", 26" (Optional)

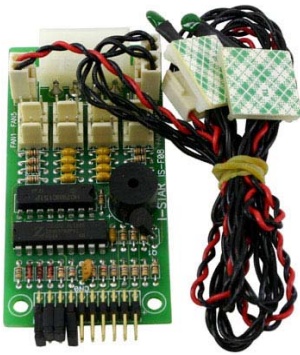
3U-4U accessories



## 2U accessories



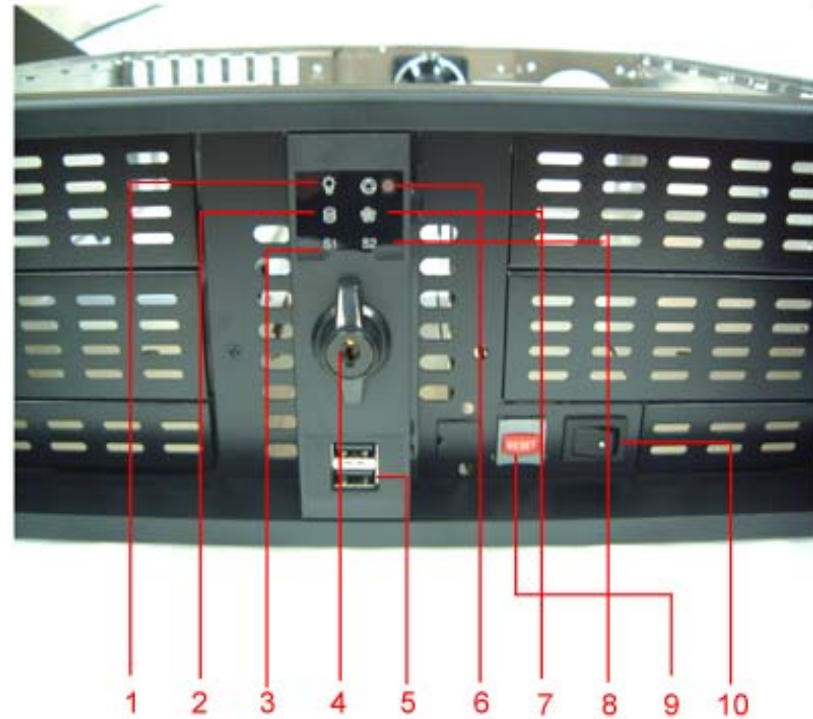
## Fan Controller (Optional)



## Sliding Rail (Optional)



## Front Side



Exact looking maybe different from the picture

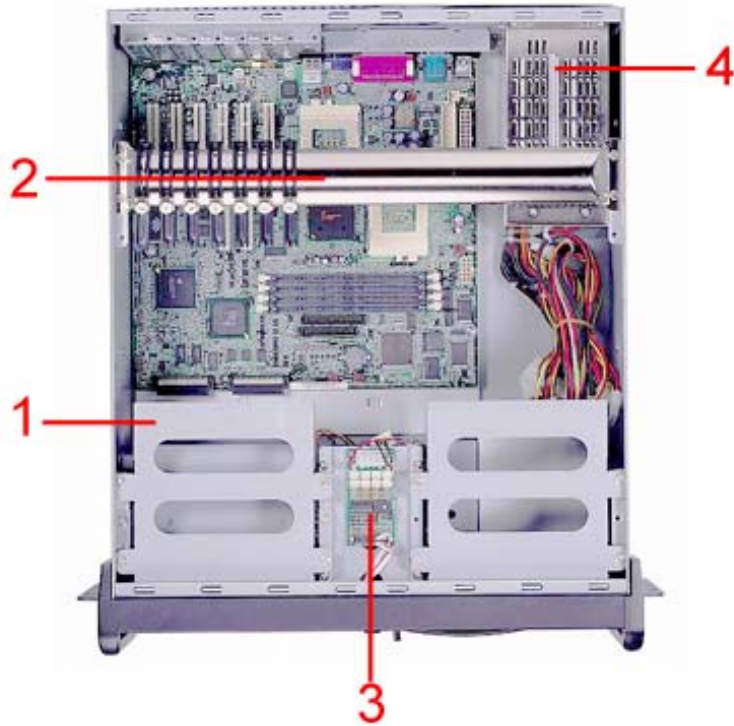
### Front Panel Access:

10	Power On/Off	9	Reset
5	2 USB 2.0 Ports	4	Door Luck

### From Panel indicators

1	System Power	2	HD Activity
3	Temperature Alarm Indicator 1	6	Fan/Temperature Alarm Reset
7	Fan Failure Indicator	8	Temperature Alarm Indicator 2

## Top View



Exact looking maybe different from the picture

1	Drive Cage	2	Anti-vibration Crowbar
3	Temperature Sensor and Fan Controller board (optional)	4	Power Supply

## Air Filter

Cleaning frequency will depend on the operating environment. If the environment is extremely dusty, clean the air filter mat more often.

To remove the air filter mat located at the front of the system, proceed as following steps:

1. Open the door and remove the air filter.
2. To clean the air filter at
  - a. Rinse in water
  - b. Also possible to beat it out, vacuum it or blast it with warm compressed air.
  - c. If the filter is soiled with greasy dust, you should rinse it with warn water with degreaser added. Do not clean the filter with a piercing jet of water or wring it out.
3. After cleaning and drying off the air filter, put these back.

## Installation

1. Remove the 3 screws to remove the top cover



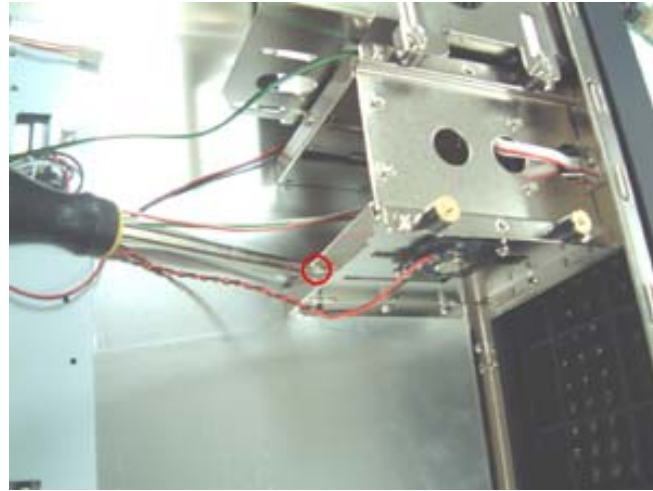
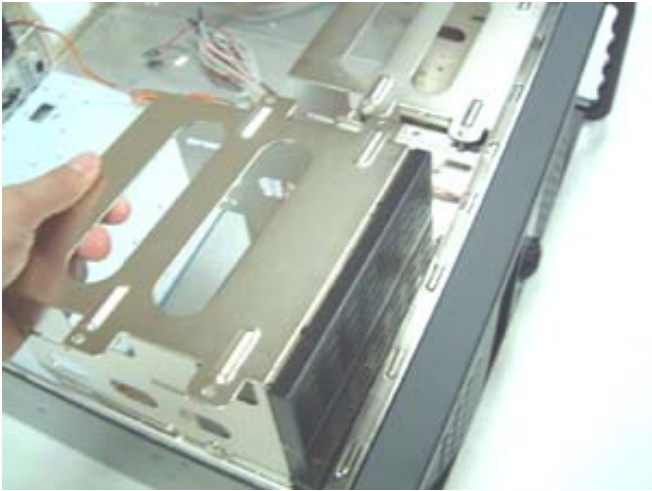
2. Remove the screws to remove the drive bay cage.



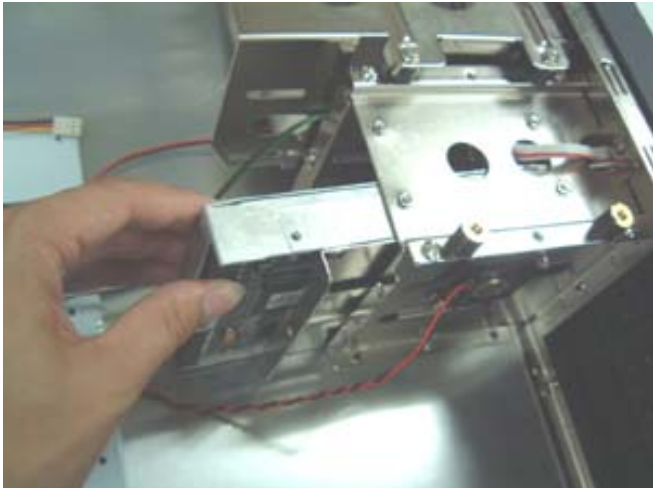
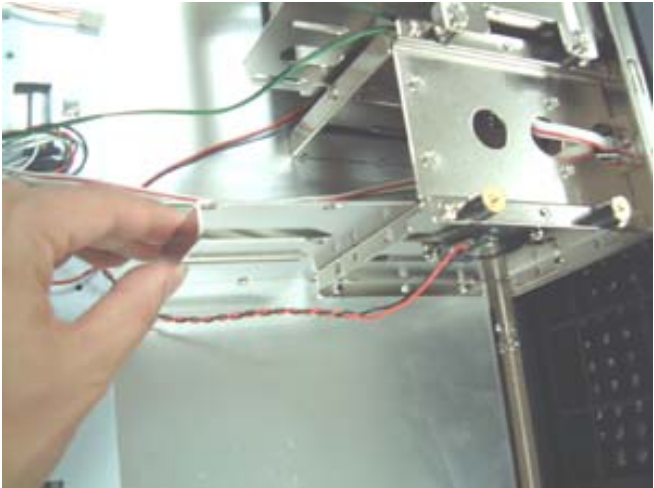
3. Install CD-ROM and FDD onto the cage



4. Remove the HD plate.



6. Install HDD plate and Drive cage.

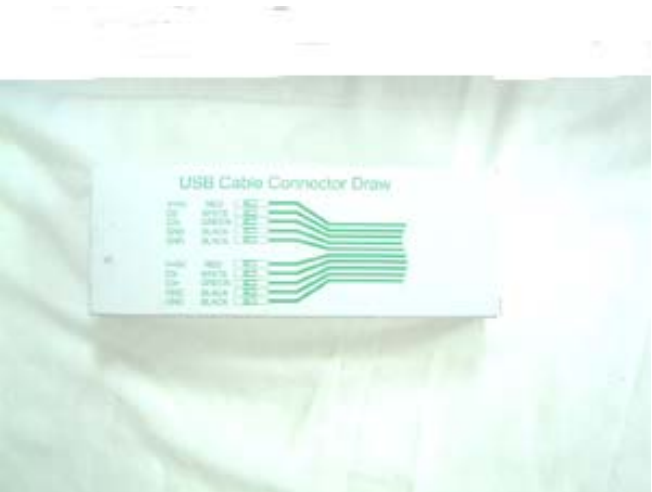


5. Install HDD onto the plate.

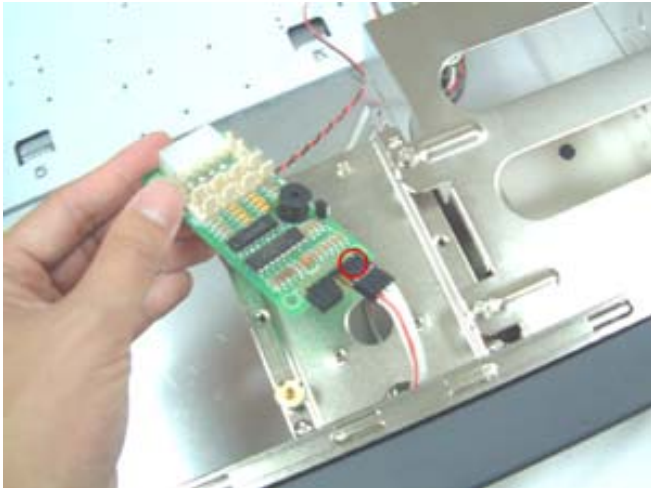




7. Install motherboard and plug in all the USB cable and Front Control connector. The USB connection is on the accessory box.



8. How to install the optional Fan Controller board.

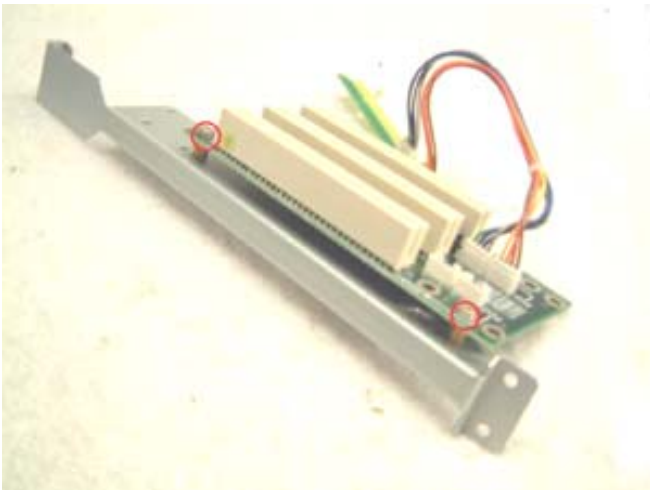


9. How to install 2U raiser card.

a.) remove the supporting bar



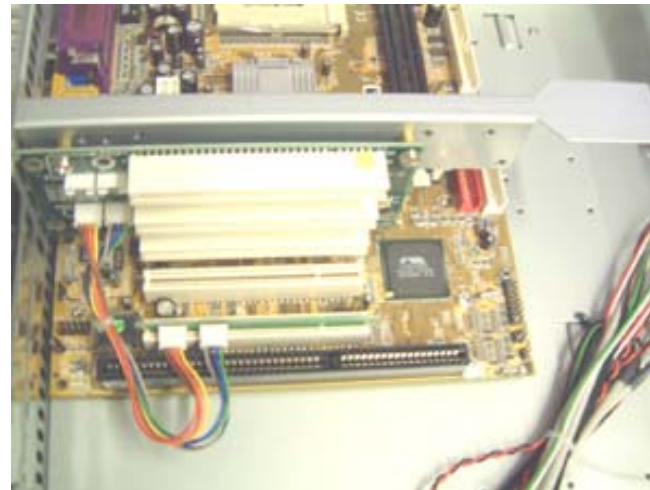
b.) Mount the raiser card on to the supporting bar.



c.) Plug in the raiser card and mount the supporting bar



d.) Plug in the daughter card



# Technique Support Information

Please Contact iStarUSA, Inc. for technique information or any other questions.

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