

IPC-4440MB

19" 4U FA Chassis for 14 slots PICMG1.3 Backplane

User`s Manual V1.13

WEEE-Reg.: DE 937 100 87

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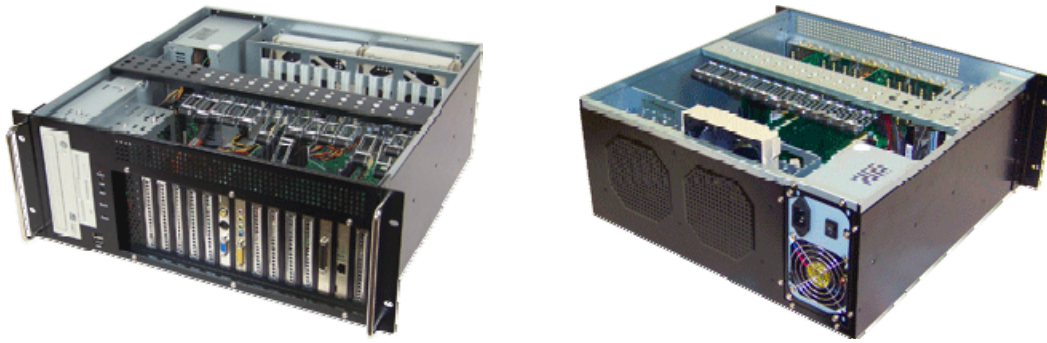
Approval by: Frank Chen

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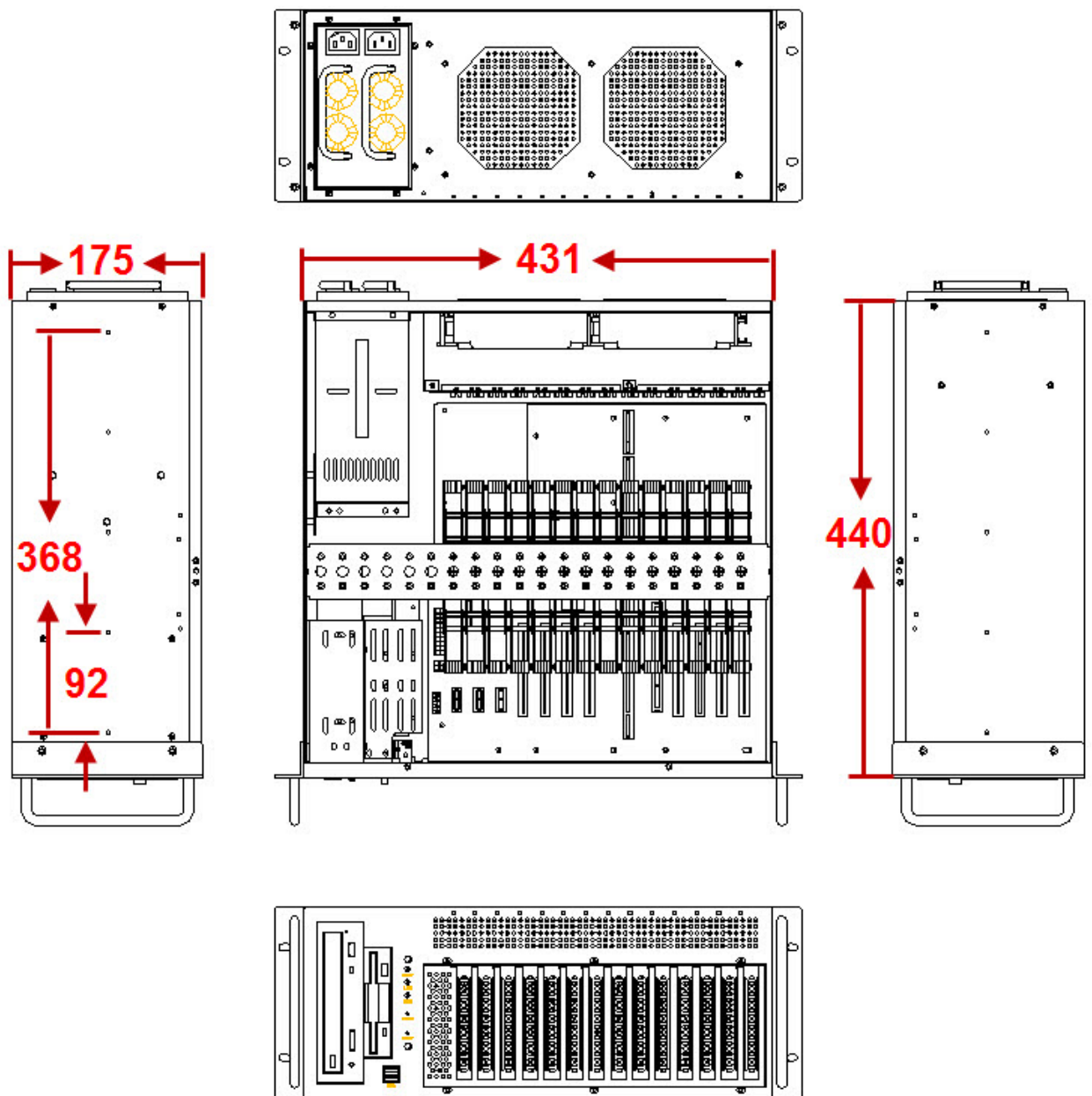
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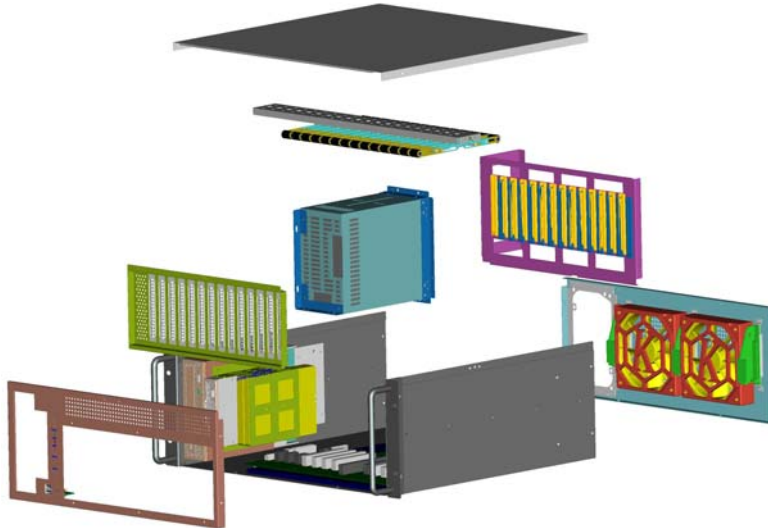
1. Product outlook



2. Mechanical drawing



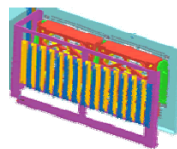
3. Exploring drawing



4. Design features

- a. Front I / O access possibilities.
- b. Long MTBF Ball bearing Fan for Ind. purpose. (> 60,000 hours)
- c. Easy maintenance hot swappable cooling fan.
- d. 4 pins PWM cooling fan eliminating power noise and more power efficiency
- e. Higher security Bird wings concept on card holding device
- f. Flexible sliding interface card holding Clamps
- g. Anti-vibration design on card holding
- h. PCI & ISA card Retainer device.
- i. Shock-resistant on Driver canister
- j. PS2 redundant power supply compatible

● Enhanced metal body for better ISA-PCI-PCI express card holding



4.1 Anti-vibration card holding design



4.2 Control Panel (W/ 2*USB)



4.3 EMI and thermal friendly design



4.4 PS2 and SFX metal power adapter



4.5 User friendly Fan replacement and maintenance issue. 2*12cm hot swappable fan(HSF02)



5. Specifications

- Driver bays: 1x 5.25" Driver, 1x 3.5" Floppy and 1x 3.5" HDD
- Cooling fan: 2 x 12cm hot swappable (80CFM/ pc) ,
- Dual ports USB in front
- Indicators: LEDs for power on/off, HDD and Lan activity
- Paint colour: RAL-9900 black color
- Weight: Net. 9.4 KG,Gross 12.2 KG
- Dimension (WxHxD): 431 x175 x 440 mm (carton packing 4.65 CBF)

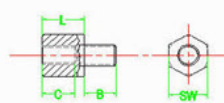
6. Accessories

6.1 19" rack Handle mounting kit



6.2 Utility pack

IPC4440 (A/B) 零件包物料	
脚垫 (Foot)	4pcs
束线带 (Cable Tie)	4pcs
接地线 (Grounding Cable)	1pcs
束线带固定座 (Cable Mount)	2pcs
背板间隔柱 (Spacer)	17pcs
M3*5 Round Head HW-C. M3*5 (M/B)	17pcs
6φ32*5 Hex HW-C. 6φ32*5 (POWER)	8pcs
M3*5 Flat Head (CDROM, FLOPPY, HDD)	18pcs



SW=6mm
B=5mm, 6φ32粗牙
L=6.5mm
C=5mm, M3细牙



7. Optional accessories

7.1 MPA04-SFX power supply metal plate (photo in page 5)

- Mounting plate redundant power supply - KR4U-rP/S



7.2 Telescope slide TS-22-3S & Mounting Bracket MBR-3S (standard kits, flat Mounting kits)

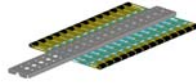
TS-22-3S	MBR-3S (Flat Mount)
	



8. Mounting Guide

8.1 Side opening(see the Product outlook point)

8.2 Slot card holding bar

HBR-4440MB








<ul style="list-style-type: none"> ● Manual adjustment according to the height of the Slot cards. 	<ul style="list-style-type: none"> ● Card holding photo
	

8.3 Slot card holder

Slot card holder (PCI & ISA supported)



8.4 Cable connection

<p>Front USB</p> 	<p>Frontpanel 2 pin connectors</p> 	<p>System fan connectors</p> 
<p>Disk drive frame</p> 	<p>ATX 7 slots rear window</p> 	

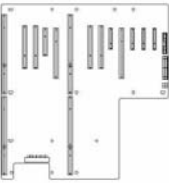
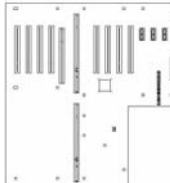
9. Passive Backplane Support(IPC4440MB)

9.1 PICMG 1.0 Backplanes Supported

- PCI-14S, PCI-14S2, PCI-14S3. PCI-13SD
- PX-14S, PX-14S1, PX-14S2, PX-14S3, PX-14S5
- IP-13SD, IP-14S, IP-14S3
- IPX-13S
- BP-14S

9.2 PICMG 1.3 Backplane Supported

- Sever Grade—SPXE-14S
- Graphic Grade Backplane- PE-10S, PE10S2, PE-13SD, PXE-12S, PXE-13S

<p>PE-13SD</p> 	<p>PXE-13S</p> 
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10. Power supply support

- Single PS2 power supply, SFX Power supply
- PS2 Redundant power supply, MRT, MRW, MRP

11. FAQ

a. *Can we remove one side of the holding clamps?*

A: *yes, integrators can easily remove it and holding clamps still work fine.*

see reference picture



b. *Holding clamps is not in right position of interface card.*

A: *release two screws on top of the holding bar, Manually adjust the position of the holding clamps to the slot card place.*

see reference picture



12. Order Information

Model	Remark
IPC4440MB	14 Slots rear window for CPU card Version
MPA04	Metal plate for SFX power supply assemble
TS-22-3S	Telescope Slide 22 inch , 3 section
Backplane	Please chose from NO. 9