

# AREMO-8164

8-slot full-size industrial node chassis  
(Shoe-box)



AREMO-8164 is designed for PICMG 1.0/1.3 with 8-slot backplane that is 4U full size industrial node chassis built with two 5.25" HDD driver space for CD/DVD-ROM, two internal 3.5" HDD driver bays and replaceable air filter for easy maintenance. AREMO-8164 equips two USB interface on front panel, and also high wattage PS/2 form factor PSU. The compact size feature of AREMO-8164 is suitable for Industrial and Engineering applications.

## FEATURES

- Two 5.25" and two internal 3.5" HDD drive bays for CD-ROM or mobile rack, easy to install software and mirror disk (RAID1)
- Two USB ports on the front panel
- Can be vertically or horizontally mounted, easy to fit into space limited environment
- One 12cm ball-bearing cooling fan for better ventilation
- One replaceable air filter for easy cleaning
- Two adjustable positions for hold-down card retainers provide better protection from vibration
- Wall-mounting bracket equipped
- Both 8-slot PICMG 1.0 or 1.3 backplane applicable; easy to change different backplanes
- Field replaceable power supply bracket for both normal PS/2 and PS/2 redundant power supply, easy for changing defected power supply

## ORDERING GUIDE

- **AREMO-8164**  
8-slot full-size industrial node chassis
- **AREMO-8164/B**  
8-slot full-size industrial black node chassis

## GENERAL

Construction	Heavy-duty steel
Drive Bay	External: 5.25" x2 Internal: 3.5" HDD x2
Card Retainer	Two locations for one card retainer
Air Filter	One replaceable air filter at the front door
Cooling Fan	One 12cm ball-bearing fan
Indicator	Power on/off x1, HDD x1
Switch	Power on/off x1, System reset x1
Speaker	One 8Ω speaker
Connector	2 USB ports on the front panel
Standard Color	Silver, Black
Dimension	330(W) x 420 8(D) x 172(H) mm; 12.99"(W) x 16.56"(D) x 6.77"(H)
Weight	Net: 10 kg (22.1 lb); Gross: 9.5 kg (20.9 lb)
Backplane	PBP-08P41: 8-slot [PCIe (3), PCI(4), PCI-X(0)] PICMG 1.3 backplane PBP-08A4: 8-slot [PCI(7), PCI-X(0)] active PICMG 1.3 backplane PBP-07P4 : 8-slot [PCIe (2), PCI(7), PCI-X(0)] PICMG 1.3 backplane

## POWER SUPPLY

### PLUTO-D3501PJ optional

Maximum output	350W active PFC
Output Voltage & Current	+5V@12A; +12V1@18A; +12V2@18A; +3.3V@18A; -12V@0.3A, +5Vsb@2.5A
Input Voltage	90V ~ 264V AC, full range
Input Frequency	50 ~ 60Hz
Input Current	8A@115V, 8A@230V
Efficiency	> 80%
MTBF	100,000 hrs
EMI & Safety Approval	UL, TUV, CE, FCC, CB, VCCI, 80PLUS
Temperature/Humidity	Operating: 5 ~ 50°C, 20 ~ 85%RH Storage: -40 ~ 70°C, 10 ~ 95%RH
Dimension (WxDxH)	150 x 140 x 86 mm; 5.9" x 5.5" x 3.4"

## ENVIRONMENT

Operating Temperature	0 to +55°C
Storage Temperature	-20 to +80°C
Relative Humidity	5% to 95%, non-condensing
Vibration	5~7 Hz: 0.5" double amplitude displacement 7~2000 Hz: 1.5g acceleration

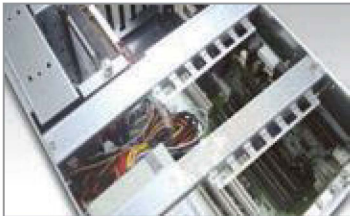


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FEATURE	BENEFITS
<ul style="list-style-type: none"> <li>5.25" drive bays for CD-ROM or mobile rack</li> </ul>	<ul style="list-style-type: none"> <li>Easy to install software and mirror disk (RAID 1)</li> </ul>
<ul style="list-style-type: none"> <li>Two USB ports on the front panel</li> </ul>	<ul style="list-style-type: none"> <li>Easy to operate the system</li> </ul>
<ul style="list-style-type: none"> <li>One replaceable air filter</li> </ul>	<ul style="list-style-type: none"> <li>Easy cleaning</li> </ul>
<ul style="list-style-type: none"> <li>Can be vertically or horizontally mounted</li> </ul>	<ul style="list-style-type: none"> <li>Easy to fit into different space limited environments</li> </ul>
<ul style="list-style-type: none"> <li>Two adjustable positions for hold-down card retainer</li> </ul>	<ul style="list-style-type: none"> <li>For fixing all the cards more flexibly and tightly</li> </ul>
<ul style="list-style-type: none"> <li>Both 8-slot ISA and PICMG backplane applicable</li> </ul>	<ul style="list-style-type: none"> <li>Easy to change to different backplane and keep in stock</li> </ul>
<ul style="list-style-type: none"> <li>Field replaceable power supply bracket for both normal PS/2 power supply and PS/2 type redundant power supply</li> </ul>	<ul style="list-style-type: none"> <li>Easy maintenance</li> </ul>

## REFINEMENT



**Two Adjustable Card Retainer Positions**  
For fixing all the cards more flexibly and tightly

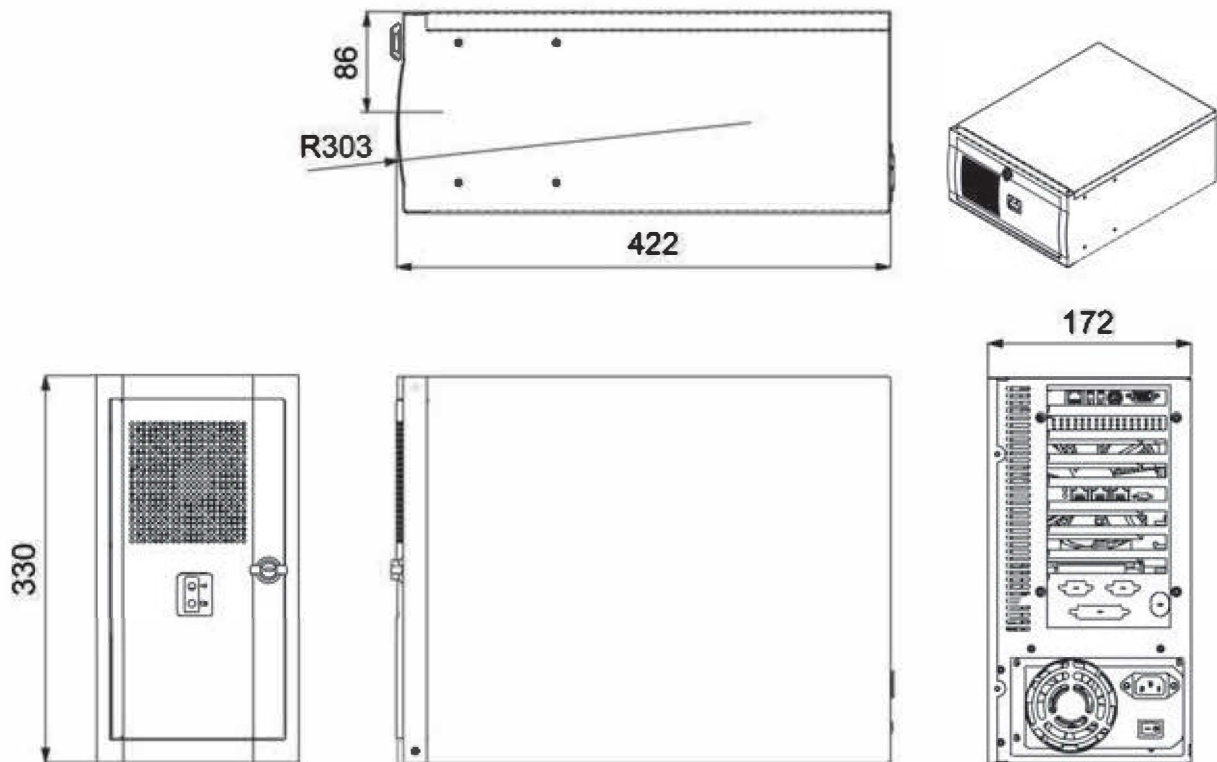


**Plastic Fan Filter**  
For easy cleaning and replacing



**Excellent Cooling System**  
New slot cover for better ventilation

## MECHANICAL DRAWING



Unit: mm