AREMO-4185
19" 4U industrial rack-mount chassis

FEATURES

- Three 5.25" and two internal 3.5" HDD drive bays for RAID 0, 1, 5 & CD-ROM

- Four USB ports on the front panel

- Two ball-bearing cooling fans (12cm x 1+ 8cm x1) for better ventilation

- Three card retainer positions

- One modularized function panel for single (default) or dual (optional) systems

- PS/2 redundant power supply installable

- ATX M/B applicable, especially for large AT size M/B

ORDERING GUIDE

- **AREMO-4185-14P4-D3501P**

  19" 4U rack-mount chassis with 14-slot (4xPCI) PICMG backplane and 350W active PFC ATX power supply

- **AREMO-4185-14A7-D3501P**

  19" 4U rack-mount chassis with 14-slot (7xPCI) PICMG backplane and 350W active PFC ATX power supply

- **AREMO-4185-MX-D3501P**

  19" 4U rack-mount chassis for ATX motherboard with active 350W ATX, PFC power supply

- **AREMO-4185-14A7-D3202P**

  19" 4U rack-mount chassis with 14-slot (7xPCI) PICMG backplane and 320W active PFC redundant power supply

GENERAL

Construction	Heavy-duty steel with aluminum front panel
Drive Bay	External: 5.25"x3 Internal: 3.5" HDD x2
Card Retainer	Three locations for one card retainer
Air Filter	One replaceable air filter
Cooling Fan	One 12cm and one 8cm ball-bearing cooling fans
Indicator	Power on/off x1, HDD x1
Switch	Power on/off x1, System reset x1
Speaker	One 8Ω speaker
Connector	Four USB ports on the front panel
Standard Color	Silver, Black
Dimension	482(W) x 461(D) x 177(H) mm; 19"(W) x 18.1"(D) x 7"(H)
Weight	Net: 13.5 kg (29.8 lb); Gross: 14.5 kg (32 lb)
Backplane	PBP-14I: 14-slot ISA backplane PBP-14AC: 14-slot (12xPCI) active PICMG backplane PBP-14A7: 14-slot (7xPCI) active PICMG backplane PBP-14P4: 14-slot (4xPCI) PICMG backplane PBP-13D4: 13-slot dual-system PICMG backplane

POWER SUPPLY   ORION-D3501P optional

Input Voltage	90V ~ 264V AC, full range
Input Frequency	47 ~ 63 Hz
Input Current	6A@90V
Efficiency	> 68%
Holdup Time	17 ms. at full load @25°C
Over Voltage Protection	+5V@7V; +3.3V@4.3V; +12V@15.6V
Over Power/Load Protection	Output power over to 110%~140%
MTBF	75,145 hrs
EMI & Safety Approval	UL, TUV
Temperature/Humidity	Operating: 0 ~ 50°C, 20 ~ 85%RH Storage: -40 ~ 70°C, 10 ~ 90%RH
Dimension (WxDxH)	150 x 140 x 86 mm; 5.9" x 5.5" x 3.4"

ENVIRONMENT

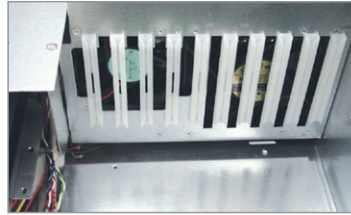|	
Operating Temperature Range	0 to +55°C
Storage Temperature Range	-20 to +80°C
Relative Humidity	5% to 95%, non-condensing
Vibration	5~7 Hz: 0.5" double amplitude displacement 7~2000 Hz: 1.5g acceleration

AREMO-4185

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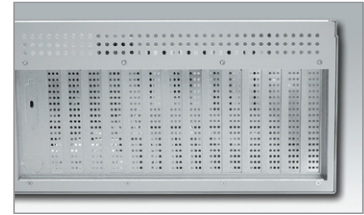| FEATURE	BENEFITS
■ A lockable front door with thumb lock	■ Dust-proof & security
■ One power on/off switch and one system reset botton on the front panel behind the lockable door	■ Avoid accidental reset for better running security
■ Modularized function panel for one or dual systems	■ Easy to manage in stock and flexible for OEM project ■ For installing dual systems
■ Front replaceable air filter	■ Easy cleaning
■ Equipped with two USB ports	■ Efficient access
■ Two ball-bearing cooling fans (12cm and 8cm high speed)	■ Better ventilation to provide the system with higher reliability
■ Enhanced drive bracket to hold three 5.25" and two 3.5" HDD drives (internal)	■ For integrating varied systems with higher flexibility ■ Suitable for installing RAID and CD-ROM drive
■ Shock-resistant cushion for the drive bracket	■ Suitable for harsh industrial environment
■ Three adjustable positions for hold-down card retainers	■ For fixing all the cards more flexibly and tightly
■ Changeable modularized back panel for 14-slot ISA/PICMG backplane or ATX motherboard	■ Only one minute to change the back panel ■ Easy to change to different backplanes and keep in stock
■ Field replaceable power supply bracket for both normal PS/2 power supply and PS/2 type redundant power supply	■ Only three minutes to change the non-operating power supply ■ Only thirty seconds to change the non-operating PSU module

WHAT'S NEW

Three Hot-Swappable HDD Drives

Three 5.25" transferrable hot swappable HDD drives (IDE or S-ATA HDD transfering kit is optional)

One 12cm and one 8cm Cooling Fans

Better ventilation to provide the system with higher reliability

Excellent Cooling System

New slot cover for better ventilation

ENGINEERING DRAWING

482
457.30
465
177
461.00

Unit: mm