

# 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
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, CE, FCC, CB, CSA, SEMKO, FIMKO, NEMCO, DIMCO
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 19" 4U industrial rack-mount chassis

FEATURE	BENEFITS
■ A lockable front door with thumb lock	■ Dust-proof & security
■ One power on/off switch and one system reset button 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



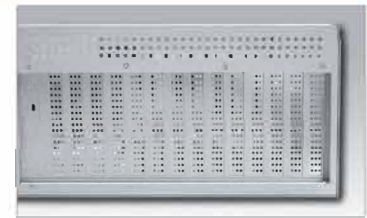
### Three Hot-Swappable HDD Drives

Three 5.25" transferrable hot swappable HDD drives (IDE or S-ATA HDD transferring 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

