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Find the *Rittal / Kaparel 2U* at our website: ***Click HERE***

Horizontal Enclosures RITTAL/KAPAREL INTEGRATION

Horizontal Rackmount Enclosures for CompactPCI

The Kaparel 7000 Series is a cost-effective family of "pizza box" style horizontal rackmount enclosures developed for carrier-grade CompactPCI telecom, Internet and embedded control applications. The 7000 Series is a high-density platform to house front computer boards, rear I/O boards, hot-pluggable power supplies and provide maximum cooling.



Standard AC Platform:

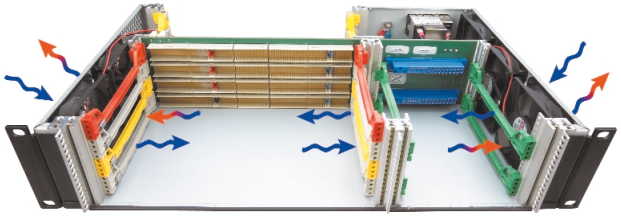
· 1U,2U,3U & 4U - 19 inch rackmount, 300mm (11.811in.) deep with rackmount brackets (can be set back approx. 100mm - 4in.)
· 2/4/6/8 slots (2x6Ux160mm front and 2x6Ux80mm rear)
· Cooling configured from left to right (R-L optional)
· EMC and ESD protection
· Front and rear ESD jack
· Includes 6U 64-bit/66Mhz CompactPCI monolithic backplane (64--bit/33MHz in 3 & 4U) with integrated power supply backplane.
· 2U, 3U and 4U with **H.110*** bus on P5. (*Requires H.110 48V DC rear feed harness - Part # 87A10013) **(Consult factory)**
· Custom backplane designs available upon request.
· AC hot-swap Power Supplies (see PSU options)
· Rear AC single power entry feed with on/off switch, fuse, line filter and ground stud (Dual AC feed option available)
· AC power cable
· Top cover is easily removable for service
· Painted black finish (optional colors available).

Optional DC Platform:

· Same as the AC Platform
· Exception: Optional rear single or dual DC power entry feed, circuit breaker and ground stud(s)
· DC hot-swap power supply options

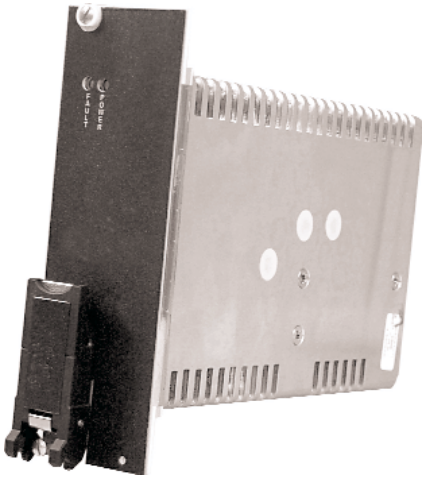
Configurable Cooling:

The standard 7000 Series airflow direction is factory set from left to right. However, on request the airflow direction can be set from right to left **(consult factory)**. The airflow measurements listed with each U size are theoretical and intended to be used only as a guide.



Backplane Options:

· For custom application designs including Switch Fabric, please inquire.



3Ux8HP AC Power Supply Options (consult factory):

· Hot swap, N+1 redundant with internal OR-ing diodes
· Power factor corrected AC 90-264V input
· Current sharing on 5 V and 3.3V outputs
· 47 pin connector per PICMG 2.11
· AC - 175W - 5V/25A; 3.3V/20A; +12V/5A; -12V/0.5A
· AC - 200W - 5V/30A; 3.3V/25A; +12V/5A; - 12V/0.5A
· AC - 250W - 5V/33A; 3.3V/33A; +12V/6A; -12V/1.5A

Minimum Load Board Option

Some power supplies on the market may require a minimum load to power up. The required load may not be provided by newer low power peripherals to power up the supply and it may be necessary to specify a Minimum Load Board Option to be added for your application. **(Consult Factory)**

Other options:

· Open frame power supplies
· DC hot-swap power supplies
· Suitable drive bays (2U, 3U, 4U)
· 6U Filler panels for system and I/O slots
· 3U Filler Panels for unused PSU slots (Drive Bays and/or open frame PSU's)
· Higher CFM (m3/h) DC fans
· DC fans with speed control and fail signal
· DC and Dual DC Platform options available
· Alternative colors

Horizontal Enclosures RITTAL/KAPAREL INTEGRATION

1U - 2 Slot

Standard AC Platform:

· 1U - 19 inch rackmount, 300mm (11.811in.) deep with rackmount brackets (can be set back approx. 100mm - 4in.)
· 2-front slots (2x6Ux160mm) and 2-rear slots (2x6Ux 80mm)
· Cooling from left to right (40mm 12V DC (0.32A) fans at 12CFM (21m3/h) each - 4 right and 3 left)
·The theoretical measured airflow from left to right is 281lfm (1.43m/s) per slot



2U - 4 Slot

Standard AC Platform:

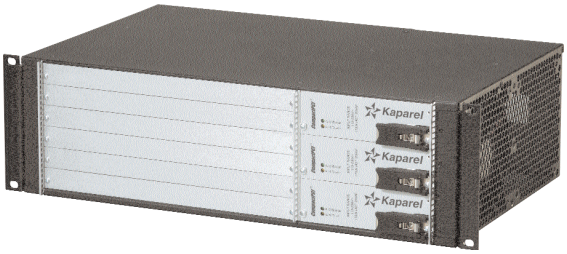
· 2U - 19inch rackmount, 300mm (11.811in.) deep with rackmount brackets (can be set back approx. 100mm - 4in.)
· 4-front slots (4x6Ux160mm) and 4-rear slots (4x6Ux80mm)
· Cooling from left to right (80mm 12V DC (0.18A) fans at 44CFM (74m3/h) each 3 right and 2 left)
·The theoretical measured airflow from left to right is 348lfm (1.77m/s) per slot



3U - 6 Slot

Standard AC Platform:

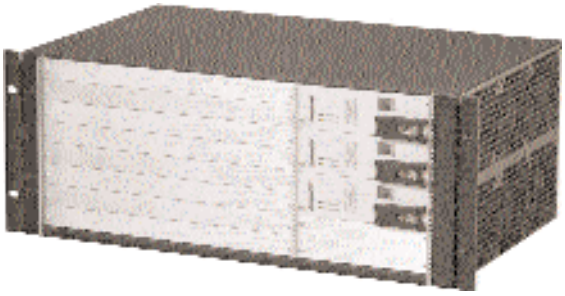
· 3U - 19 inch rackmount, 300mm (11.811in.) deep with rackmount brackets (can be set back approx. 100mm - 4in.)
· 6-front slots (6x6Ux160mm) and 6 rear slots (6x6Ux80mm)
· Cooling from left to right 120mm 12V (0.36A) DC fans at 115CFM (195m3/h) each, 1 left and 1 right plus 1- 80mm 12V DC (0.18A) fan at 44CFM (74m3/h), right)
· The theoretical measured airflow from left to right iis 252cfm (1.28m/s) per slot.



4U - 8 Slot

Standard AC Platform:

· 4U - 19inch rackmount, 300mm (11.811in.) deep with rackmount brackets (can be set back approx. 100mm; 4in.)
· 8-front slots (8x6Ux160mm) and 8-rear slots (8x6Ux80mm)
· Cooling from left to right (80mm 12V DC (0.18A) fans at 44CFM (74m3/h) each, 6 right and 4 left)
·The theoretical measured airflow from left to right is 267lfm (1.36m/s) per slot.



Ordering Information

Description	Rittal Part No.	Kaparel Part No.
ENCLOSURES		
1U 2-slot AC	3689177	7010
1U 2-slot DC	3689181	7010-DC
2U 4-slot AC	3689178	7020
2U 4-slot DC	3689182	7020-DC
3U 6-slot AC	3689179	7030
3U 6-slot DC	3689183	7030-DC
4U 8-slot AC	3689179	7040
4U 8-slot DC	3689180	7040-DC
POWER SUPPLIES*		
175W-AC	3688534	PS3310
175W-DC	3688537	PS3311
200W-AC	3688694	PS3312
200W-DC	3688655	PS3313
*Use Green "offset" Guide Rail 2x Rittal Part No. 3657837		
FILLER PANELS (EMC)		
6U x 4HP	3685186	--
6U x 8HP	3685190	--
6U x 12HP	3685192	--
6U x 16HP	3685349	--
3U x 4HP	3685178	--
3U x 8HP	3685182	--
3U x 12HP	3685184	--
3U x 16HP	3685348	--
POWER CORD		
8' 10A/125VAC	3686338	87A00004-A01
H.110 CABLE HARNESS		
H.110 Cable	3688697	87A10013-A01

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