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.

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
### 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 (2x6Ux80mm)
- Cooling from left to right (40mm 12V DC (0.32A) fans at 12CFM (21m3/h) each - 4 right and 2 left)
- The theoretical measured airflow from left to right is 281lfm (1.43m/s) per slot.

### 2U - 4 Slot

**Standard AC Platform:**
- 2U - 19 inch 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 - 4 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 is 252cfm (1.28m/s) per slot.

### 4U - 8 Slot

**Standard AC Platform:**
- 4U - 19 inch 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.