

FEATURES AND BENEFITS

- 7" to 10.5" H (4 to 6U) x 17" W x 12" D
- 2- to 11-slot 6U x 160mm/6U x 80mm
- IEEE 1101.10/1101.11-compliant CompactPCI subrack
- Hot swap, N+1 250W power options
- Hot-pluggable, fan tray with four 46 cfm fans
- Available with 2.16 or 2.17 fabric backplanes
- Optional IPMI-compliant chassis management module
- One-year limited warranty

545 SERIES

4U RACKMOUNT/ BENCHTOP ENCLOSURE



The 545 Series 4U Rackmount/Benchtop Enclosure from Atrenne is a configurable CompactPCI enclosure designed for prototype and deployed applications in industrial, datacom/telecom, and military.

The 545 Series Enclosure features a 19-inch industrial 7" to 10.5" high x 12" deep chassis with 8-12 6U x 160mm front-accessible slots and 8-12 6U x 80mm rear transition slots to allow for a variety of configurations. The chassis is designed to support hot swap, N+1 250W front-pluggable power supplies and AC or DC input. A front-pluggable pressurized cooling scheme provides (4) 12 VDC 46 CFM fans for low MTTR and high reliability. Filtered and fused AC power is located on the rear panel as well as the main AC power switch, ESD jack, and ground stud for telecom and NEBS compliance.

545 SERIES

4U RACKMOUNT/ BENCHTOP ENCLOSURE

DESIGN SPECIFICATIONS:

Physical

- Height: 7" to 10.5" (4 to 6U)
- Width: 17"
- Depth: 12"
- Weight: approximately 13 lbs w/o cards
- .09" light weight 5052-H32 aluminum
- Black medium texture finish per Fed-STD 595-27038

Backplane

- PICMG 2.0 rev. 3.0
- Hot Swap PICMG 2.1 rev. 1.0
- Telephony (H.110) PICMG 2.5 rev. 1.0
- Supports 64-bit PCI architectures
- VI/O selectable +5.0 or +3.3V
- Coding keys for 3.3 & 5 volt operation

Subrack

- Front loading 6U x 160mm
- Rear transition 6U x 80mm
- IEEE 1101.10 & IEEE 1101.11 compliant

Front Panel

- ESD Jack

Rear Panel

- On/Off switch
- Power input
- Fuses
- Ground lug

Power Supply Subsystem

Inputs: AC 90-264 VAC

DC 40-72 VDC

Output current:

250W

+5V 33A*

+3.3V 33A*

+12V 64A

-12V 1.5A

* Note: Not to exceed 250W combined output power.

Thermal Management

- Hot pluggable fan tray with four 46CFM DC brushless ball bearing fans
- Side air intake, side exhaust

Designed to Meet

- NEBS
- FCC Class A/B
- UL1950
- CSA 22.2
- PICMG 2.0 Rev. 3.0
- CE

Reliability

- MTBF: >50,000 POH
- One-year limited warranty

Peripheral Cards Supported

- Shielded front panels
- Front accessible and embedded HDD, Floppy, CDROM, DAT, etc.
- Configurable to meet your needs
See options sheet or consult factory

Environmental

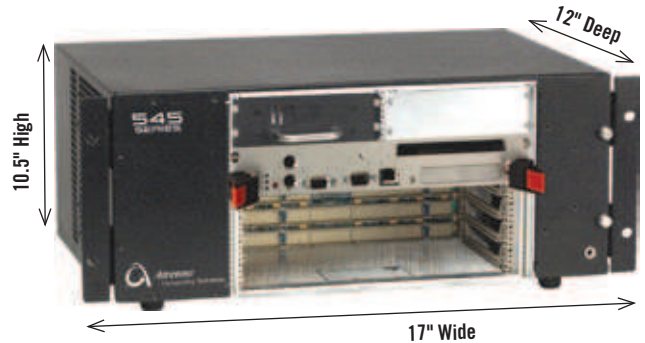
Operating

Temperature: 0 to 50°C (32 to 122° F)

Humidity: 20 to 90% @ 50°C (122° F)

Altitude: 15,000 ft. (4,572m.)

Acoustical < 55 dba typical



Storage/Transit

-20 to +60°C (-4 to 140° F)

5 to 95% @ 50°C (122° F),

non-condensing

50,000 ft. (15,240m.)

PART NUMBERING / ORDERING INFORMATION:

545 X X X X 6 X A K - 0 0 X

Series

Height

4 = 4U = 7"

5 = 5U = 8.75"

6 = 6U = 10.5"

Power Supply

A = 1 AC Power supply

B = 2 AC Power supplies

C = 1 DC Power supply

D = 2 DC Power supplies

Backplane CPU Slot

R = Right justified

P = Left justified

Telephony Bussing

V = w/o H.110 3.3V keys

W = w/ H.110 3.3V keys

X = w/o H.110 5V keys

Y = w/ H.110 5V keys

Form Factor

6 = 6U (10.5")

(Requires one additional slot for power connection)

Example: 5454ARY65AK-002 is a Series 545, 4U high with one 250W plug-in power supply, 5-slot hot swap, right justified backplane with H.110 bussing. (1) 5 1/4" front accessible and (1) 3 1/2" embedded drive.

6U x 12HP peripheral shuttle:
provisions for one 5 1/2"
front accessible drive

1 = Two embedded 3.5" devices

2 = One 5.25" front accessible and
one 3.5" embedded device

3 = One front accessible and
one embedded 3.5" device

4 = No drives

19" EIA rack adapters front/mid mount
Pressurized cooling

Slot count 2-8