

FEATURES AND BENEFITS

- 1.75" (1U) or 3.5" (2U) H x 17" W x 12.5" D
- Two-slot (1U) or 4-slot (2U) 6U X 160mm / 6U X 80mm CompactPCI subrack
- CompactPCI backplane VME or VPX optional
- Basic hot swap-compliant
- H.110-compliant
- PICMG 2.9 IPMI-compliant
- Integrated power backplane
- Integrated alarm slot
- Hot-pluggable cooling
- Designed to meet NEBS Level III



582 SERIES

1U/2U RACKMOUNT ENCLOSURE



(2U)



(1U)

The 582 Series Enclosure from Atrenne is an ultra-thin enclosure for telecom and high availability networking applications.

Available in 1.75" (1U) and 3.5" (2U) form factors, the 582 Series Enclosure provides superior serviceability with up to (42) 1U or (21) 2U boards in a standard 6 foot,19-inch rack cabinet.

The 582 Series Enclosure features a 2-slot 1U or 4-slot 2U CompactPCI

basic hot-swap, H.110, PICMG 2.9 IPMI-compliant backplane, and a 2-slot 80mm rear transition area. Alarming is available for both the power and cooling systems.

The 582 Series Enclosure includes hot-swap redundant AC or dual DC input 200 W power supplies. The 582 Series Enclosure features a positive pressure cooling scheme, two 7 CFM fans in the card cage area, and one 7 CFM fan in the rear transition area. Standard front- and rear-panel ESD jacks fulfill NEBS III requirements, with the power switch located on the rear panel.

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1U/2U RACKMOUNT ENCLOSURE

DESIGN SPECIFICATIONS:

Dimensions

- 1.75" (1U) or 3.5" (2U) High x 17.0" Wide x 12.5" Deep

Weight

- 11lbs. approximately, Fully Integrated

Construction / Finish

- .047" Pre-Plated CRS
- Black medium texture finish per Fed-STD 595-27038.

Monolithic Backplane

- PICMG 2.0 rev 3.0
- Hot Swap PICMG 2.1 rev 1.0
- PICMG 2.9 IPMI compliant rev 1.0
- Telephony (H.110) PICMG 2.5 rev 1.0
- Supports 32- and 64-bit PCI architectures
- VI/O Selectable +5.0 or +3.3V
- Coding keys for 3.3 & 5 volt operation
- Fabric available
- * Consult factory for VME, VPX options

Subtrack

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

Indicators/Controls

- Rear on/off power switch
- Front and rear ESD jacks
- Rear power input

Rear Panel (2U) Version

- Power input
- Ground lug
- Single AC
- Dual DC

Power Supply Subsystems

- Inputs:
- Single AC 90 – 264VAC or Dual DC 36-72 VDC
 - Hot swap capable
 - 3U X 160 mm
 - Current sharing on 5V and 3.3V outputs
 - Output current up to 200 watts
 - +5V 25A
 - +3.3V 20A
 - +12V 6A
 - 12V 1A
 - PICMG compliant

Designed to Meet

- NEBS
- FCC Class A
- UL60950
- CSA 22.2
- PICMG 2.0 Rev. 3.0
- CE

Reliability

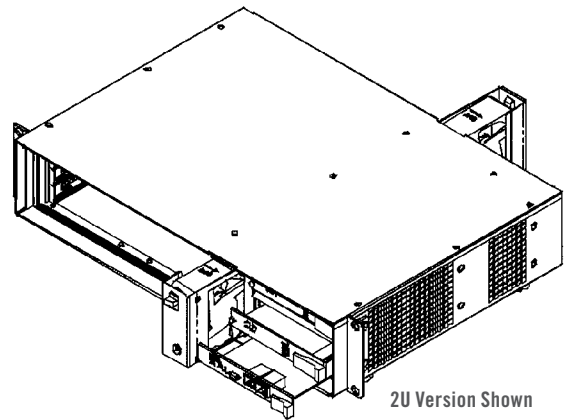
- MTBF: >50,000 POH
- Two-year limited warranty

Alarming

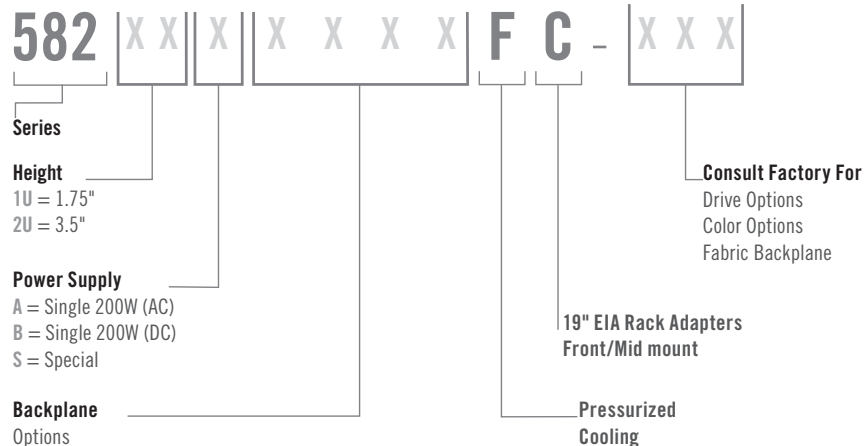
- Power system
- Cooling system

Environmental

| | Operating | Storage/Transit |
|---------------------|--|--|
| Temperature: | 0 to 50°C (32 to 122° F) | -20 to +60°C (-4 to 140° F) |
| Humidity: | -20 to 90% @ 50°C (122° F), non-condensing | 5 to 95% @ 50°C (122° F), non-condensing |
| Altitude: | 15,000 ft. (4,572m.) | 50,000 ft. (15,240m.) |
| Acoustical: | < 55 dba Typical | |



PART NUMBERING / ORDERING INFORMATION:



Example: 5821SSPBPF-100 is a 582 Series, 1U high with one 200W DC input power supplies, 4-Slot hot swap, right justified backplane with H.110 bussing and 5V keys installed. One Intel ZT 7102 alarm card.