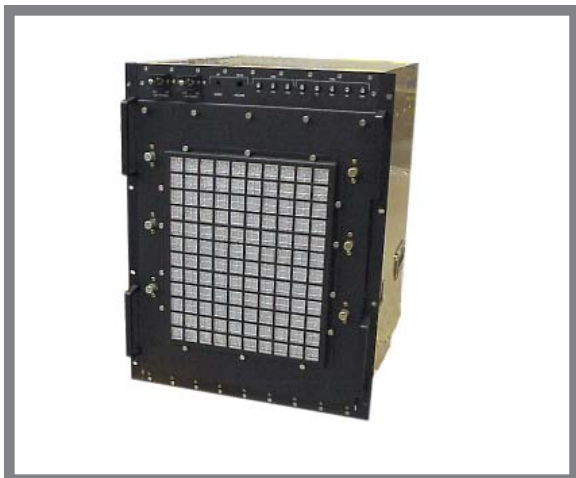


12R2 14U, Front Loaded



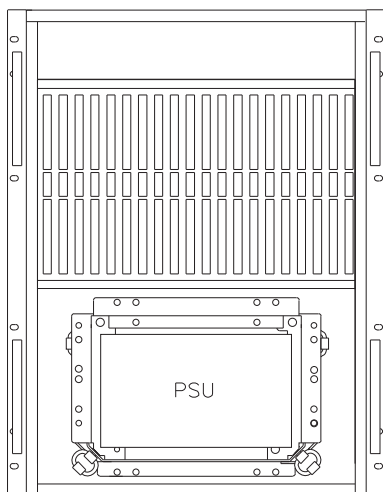
FEATURES

- VME, VME64x, VXS, VPX, cPCI or MicroTCA compatible
- 19" rackmount per IEC60297 (slide mounting optional)
- 14U H, standard depth 25"
- 2-20 slot, IEEE 1101.10/.11 compliant card cages, front load
- Front to rear evacuative cooling (350 LFM @ .1" H2O)
- Custom rear I/O patch panel (rear I/O cards optional)
- MIL grade components
- Front mounted LEDs for; voltage monitoring, fan fail and over temp
- 500-2000 watt PSU options
- Plug removable shock isolated power supply tray
- Input options: 90-264VAC, 47-500 Hz, 28/48VDC

PRODUCT INFORMATION

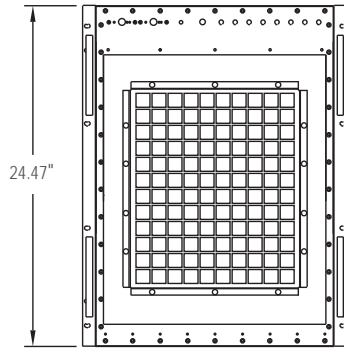
The 14U, 12R2 was designed to meet the harsh environment of shipboard, airborne, and ground mobile applications per MIL-STD's. The standard front load card cage combined with the shock isolated PSU tray highlights the flexibility of the 12R2 packaging system. Highly configurable, the unit can be ordered with choice of VME, VME64x, VXS, VPX, CPCI or MicroTCA backplane, fixed or shock isolated card cage, rear I/O card mounting, device mounting, 500 to 1200 watt PSU, AC or DC input and custom I/O patch panel. Available in 25" depth the unit holds up to 20, front loaded cards (fixed). Airflow is front to rear utilizing high volume fans. Shock isolated versions are designed to attenuate 25G shock inputs to the chassis to less than 10Gs at the card cage and PSU tray. All components, materials and design concepts are chosen to meet the applicable MIL-STD environments. The units come completely assembled and wired.

ORDERING INFORMATION

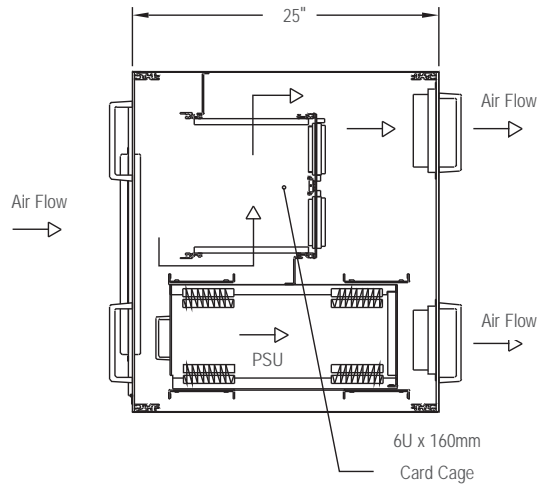


| Description | Order Number |
|---|--------------------|
| <ul style="list-style-type: none"> ■ 14U h x 25" d ■ Holds 20, 6U x 160mm cards, fixed mounted, front load ■ Rear I/O patch panel ■ 20 slot VME64x backplane w/P0 ■ No device mounting ■ Configurable, shock isolated, plug removable, PSU tray ■ 2 x 235cfm, HV fan | 12R2200PXXE8N5VCS4 |

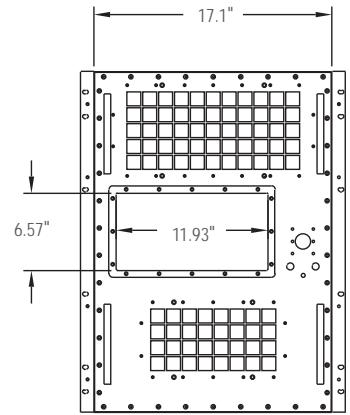
LINE DRAWINGS



Front View
(door closed)



Right Side View
(with side plate removed)



Rear View

CUSTOM CONFIGURATIONS

1 2 R 2 ■ ■ ■ ■ ■ ■ E 8 ■ ■ V ■ ■ ■

NUMBER OF SLOTS BP

00-20: Single BP AY-YA: Split

Example: 7 slot = 07

Example: 12 + 9 = LI

BP BARE BOARD

A = CPCI (RSS), 6U

K = VITA 31.1

L = VXS (DS)

M = V64, J12 mono, 3 row

N = VME64X, 6U

O = VME64X, 7U

P = VPX, 6U (VITA 46)

S = VXS (SS)

T = VXS (Mesh)

X = No BP installed

Z = Custom

BP CONNECTOR CONFIG. J1/J2/P0

L = 5 row, w/o P0, w/ RT-2

M = 3 row, J1 flush, J2 13mm

N = 3 row, J1/J2, 17mm

O = 5 row, w/o P0

P = 5 row, w/ P0

Q = 3 row, 13mm

R = 3 row, 17mm

S = RT-2(J0-J6) 6U

D = CPCI (P1 & P2 S; P3, P4, P5 L)

X = No connectors

Z = Custom

DRIVES

1 = 1 X 3.5"

2 = 2 X 3.5"

3 = 1 X 5.25" HH

4 = 2 X 5.25" HH

5 = 4 X 5.25" HH

6 = 2 X 3.5", 1 X 5.25"HH

7 = 1 X 3.5", 2 X 5.25"HH

8 = 2 X 3.5", 2 X 5.25"HH

9 = 1 X 3.5", 1 X 5.25"HH

A = 1 x 2.5", 1 X CDROM (SL)

B = 2 x 2.5"

C = 6 x 5.25" HH

D = 1 x slim line CDROM

X = Not installed

DEVICE MOUNTING

F = Fixed mount devices

I = Shock isolated devices

X = N/A

HEIGHT

E = 14U

WIDTH

8 = 84T

CARD CAGE

Y = Fixed w/ Rear I/O

N = Fixed no Rear I/O

F = Isolated w/ Rear I/O

I = Isolated no Rear I/O

DEPTH

4 = 400mm - 499mm

5 = 500mm - 599mm (22")

6 = 600mm - 699mm (25")

7 = 700mm - 799mm

CARD ORIENTATION

V = Vertical

PSU INPUT

C = 90-230VAC (Fixed)

G = 90-230VAC (Plug In)

H = 48VDC (Plug In)

K = 48VDC (Fixed)

M = 48VDC (2 x HS, N+1)

N = 28VDC (Fixed)

O = 28VDC (2 x HS, N+1)

P = 90-230VAC(2 x HS, N+1)

Q = MIL-STD-704A, 28VDC

R = MIL-STD-704A, 90-230VAC

S = Custom

X = No PSU

PSU OUTPUT

(Note: Not all PSU combinations available)

3 = 300-399 watt (w/o 3.3V)

4 = 400-499 watt (w/o 3.3V)

5 = 500-599 watt (w/o 3.3V)

6 = 600-699 watt (w/o 3.3V)

7 = 700-799 watt (w/o 3.3V)

8 = 800-899 watt (w/o 3.3V)

9 = 900-999 watt (w/o 3.3V)

A = 100-199 watt (w/ 3.3V)

B = 200-299 watt (w/3.3V)

C = 300-399 watt (w/3.3V)

D = 400-499 watt (w/3.3V)

E = 500-599 watt (w/3.3V)

F = 600-699 watt (w/ 3.3V)

G = 700-799 watt (w/ 3.3V)

H = 800-899 watt (w/3.3V)

I = 900-999 watt (w/3.3V)

J = 1000-1099 watt (w/3.3V)

K = 1100-1199 watt (w/3.3V)

L = 1200-1299 watt (w/3.3V)

M = 1300-1399 watt (w/3.3V)

N = 1400-1499 watt (w/3.3V)

X = Not installed

SHIELDING LEVEL

2 = Level 2

4 = MIL-STD-461

T = Tempest

X = Not installed