

21 Slot, 10U, VITA 31.1 Chassis



APPLICATIONS

This 21 slot, 10U high chassis is configured to provide engineers with a practical, high performance environment for developing VITA 31.1 (Gigabit Ethernet on VME64x) solutions. The SY VME/P21 is a quality built IEEE 1101.10/11 designed chassis is an EMC tight enclosure providing a 21-slot vertically orientated VITA

31.1 backplane, with a 1600W power supply and a cooling capacity of 85 Watts/slot. Easy access to peripheral device mountings and the backplane Rear Transition Area is also provided. The system uses standard hardware products allowing easy progression from development to implementation.

HIGHLIGHTS

- EMC enclosure
- 19" rack mountable, 10U high
- 21 slot VME64x chassis:
 - vertically mounted 6U VME cards
- VITA 31.1 Backplane:
 - Gigabit Ethernet on VME64x backplane
 - 19 x node slots
 - 2 x fabric slots
- Pre-installed peripherals:
 - EIDE CD-ROM drive
 - EIDE hard disk drive
 - floppy disk drive
- 1600 Watt power supply:
 - AC 86-264V, 47-63Hz
 - up to 1200 Watts @ AC 115V
 - up to 1600 Watts @ AC 230V
- Cooling for up to 85 Watts per slot:
 - 350 LFM average airflow

Enclosure

- 10U 19" rack mountable VME64x enclosure
- VITA 31.1 backplane:-
 - Gigabit Ethernet on VME64x backplane
- 21 slots:-
 - 19 x node slots
 - 2 x fabric slots
- card frame and card guides
- airflow: from bottom (front and sides) to top (rear)
- enclosed power supply:-
 - internal power cabling
- 350 LFM average airflow per slot:-
 - cooling for up to 85 Watts per slot

1600 Watt Power Supply

- Power rating:-
 - up to 1200 Watts @ AC 115V
 - up to 1600 Watts @ AC 230V
 - AC input voltage: 86V - 264V (autosensing)
 - AC input frequency: 47Hz to 63Hz
- maximum output current:-
 - +3.3V at 40A[†]
 - +5V at 200A[†]
 - +12V at 16.7A[†]
 - -12V at 16.7A[†]
- † Combined output power of 3.3V, 5V, +12V and -12V rails must not exceed 1200 Watts @ AC 115V or 1600 Watts @ AC 230V
- separate switches for AC supply and backplane power

Peripherals

- EIDE hard disk drive
- EIDE CD-ROM drive
- floppy disk drive

Physical Dimensions

- 19" rack mountable
- 21" (533.4mm) depth
- 10U high

Weight

- nominally 45lbs (20.5kg)

Environmental Specification

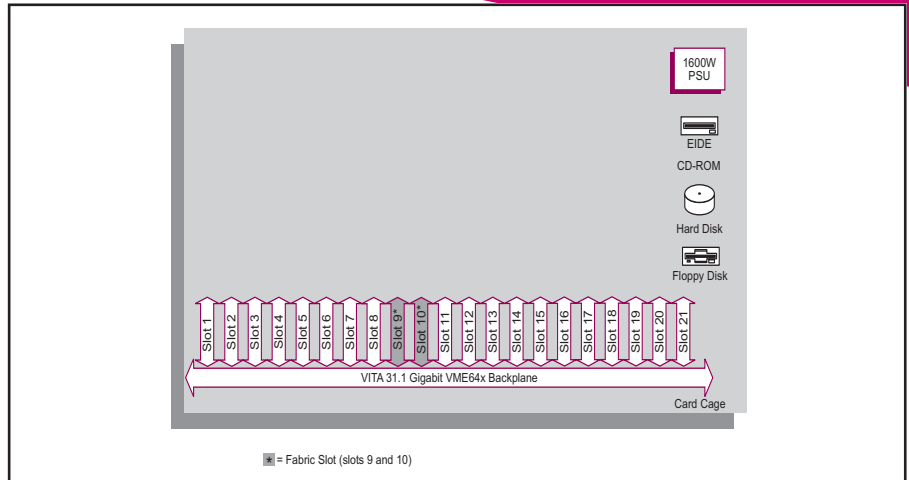
- +5°C to +40°C (operating)
- 10% to 80% Relative Humidity, non condensing (operating)
- -20°C to +65°C (storage)
- 10% to 90% Relative Humidity, non condensing (storage)

EMC Certification

- designed to meet EMC Directive 89/336/EEC and Standards BS EN55022, BS EN50082-1 and FCC Part 15

Mechanical Specification

- operating shock:-
 - HDD: 15g, 11ms, ½ sine
 - CD/DVD: 0.8g vertical, 1.5g horizontal, 11ms, ½ sine
 - FDD: 5g, 11ms, ½ sine
- non-operating shock:-
 - HDD: 120g, 11ms, ½ sine
 - CD/DVD: 50g, 11ms, ½ sine
 - FDD: 80g, 11ms, ½ sine



- operating vibration:-
 - HDD: 5Hz-500Hz at 0.67g random, 1g swept sine
 - CD/DVD: 5Hz-500Hz at 0.25g from 0-peak
 - FDD: 10Hz-200Hz at 1g
- non-operating vibration:-
 - HDD: 5Hz-500Hz at 3g random, 5g swept sine
 - CD/DVD: 10Hz-500Hz at 1g from 0-peak
 - FDD: 10Hz-100Hz at 2g



ORDERING INFORMATION

Order Number Product Description (Hardware)

SY VME/P21-10 1600W, 21 Slot, 10U, 2 fabric slots, VME VITA 31.1 chassis with FDD, EIDE HDD and EIDE CD-ROM

For front blanking panels and for air blocking panels, please contact your local sales office