

FEATURES AND BENEFITS

- Aesthetic aluminum design
- Open frame for easy card access
- Maximum unrestricted airflow and cooling for high-powered cards
- Available in VPX, VME, VME64x, VXS, and CompactPCI platforms
- Optional support for conduction-cooled modules using card guides
- LED Array for DC voltages
- DC voltage test jacks
- High volume, speed-controlled cooling fans
- Fan fail monitored
- Front-mounted system reset switch
- VPX/VME64X hybrid backplane option
- Rear Transition Module configured
- System Monitoring Board with LCD display



522 SERIES

3U VPX SERIES DEVELOPMENT / TEST STATION



(Shown with optional conduction cooled card guides)

The 522 3U VPX Series Development/Test Station from Atrenne offers a feature-rich design that combines functionality and flexibility with aesthetic detail.

Designed with the engineering developer in mind, the 522 3U VPX Series Development/Test Station incorporates a wide range of OpenVPX™ profiles used by leading card manufacturers, as well as the flexibility of hybrid architectures in the form of five VPX mesh slots and two conventional VME64x slots for legacy applications. Unobstructed accessibility to cards under test is enabled for probe access with intelligent system monitoring capabilities. The front of the 522 3U VPX Series Development/Test Station chassis is configured with LEDs for each voltage and a corresponding test jack for ease of monitoring DC voltages and probing. An AC on/off switch and a system reset switch are also accessible via the front panel.

The 522 3U VPX Series Development/Test Station incorporates innovative thermal capabilities via the high-performance fans which are placed below the card cage to produce maximum unrestricted airflow while using side-entry air plenums. No matter where the test station is placed, the station will provide optimal cooling required for some of the most demanding VPX cards manufactured today.

The 522 3U VPX Series Development/Test Station can be configured with a System Monitoring Board (SMB) with LCD display. The SMB provides system fan speeds, DC voltage outputs, and monitoring for two temperature sensors. External access to the SMB is available through a rear-mounted USB connector or optional RS-232 port.

The 522 3U VPX Series Development/Test Station is also available with VITA 48.2-compliant conduction-cooled card guides for any or all slot locations.

522 SERIES

3U VPX SERIES DEVELOPMENT / TEST STATION

DESIGN SPECIFICATIONS:

Physical

- Height: 12.35"
- Width: 12.4"
- Depth: 15.6"
- Weight: 21lbs.

Materials:

- Side panels: .19" 5052-H32 aluminum
- Top and base: .09" 5052-H32 aluminum
- Extrusions: 6063-T6 aluminum

Finish:

- Clear chromate per MIL-C-5541, CL3
- Base: painted per FED-STD-595 Color No. 25630 (Lt. Gray)
- Sides/top: painted per FED-STD-595 Color No. 26373 (Gray)

Environmental:

- Operating temperature: 0°C to 50°C
- Storage temperature: -20°C to 85°C
- Humidity: less than 95% non-condensing
- Acoustical: 68dBA

Electrical:

- Input: 120VAC
- Frequency: 50-60 Hz.
- Fusing: circuit breaker, 12A

Power Supply:

- DC outputs: +5v @ 100w, 3.3v @ 33w, +12v @ 500w, -12v @ 30w, 3.3v Aux @ 16.5w, +12v Aux @ 50w, -12v Aux @ 50w, VBAT @ .015W
- Total available power: 600W

Cooling:

- (2) 12 VDC fans
- Current Draw: 3600mA
- 400 CFM

Backplane:

Consult factory for all available profiles

Additional Features:

- Designed to meet: UL60950; 22.2
- One year warranty



(Shown with optional conduction cooled card guides)

3U ORDERING INFORMATION/CONFIGURED SYSTEMS

| P/N | DESCRIPTION |
|------------|---|
| 5223015-02 | Chassis: Configured with 6-slot twisted ring with Ethernet backplane Profile: BKP3-DIS06-15.2.14-n |
| 5223017-02 | Chassis: Configured with 6-slot twisted ring backplane Profile: BKP3-DIS06-15.2.7-n |
| 5223200-02 | Chassis: Configured with 10-slots power/GND/utility backplane |

The 522 3U VPX Series Development/Test Station is offered in a wide variety of standard configurations. Consult the factory or your Atrenne representative to configure your Development/Test Station.

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