

KR8-VPX-3-6-1

5 Slot desktop chassis for 3U VPX payloads

■ Embedded Computing for
Business-Critical Continuity™

PRELIMINARY DATA SHEET

Desktop chassis for 3U VPX Modules

- Five payload slots
- Suitable for development, testing and deployment
- Supplied with AC power supply and cooling
- Removable side panels for transition module debugging
- Top mounted handle for ease of use

KR8-VPX-3-6-1 is an Emerson enclosure designed for use with 3U VPX blades. This chassis is primarily designed for development and lab duties as it can be desk or table mounted, has a convenient carrying handle, is powered from a standard AC supply, and has the ability to act as an open frame chassis with the removal of the side panels for board level debugging. In addition, KR8-VPX-3-6-1 is suitable for deployment as it meets Emerson's standard safety requirements and EMC and environmental requirements for ground benign based installations.

The bottom half of the box includes the power and cooling elements with the top half containing slots for VPX boards and associated rear transition modules (RTMs). KR8-VPX-3-6-1 is made of sturdy metal construction in an unobtrusive gray color with holes for ventilation. The front panel includes a power switch and indicator and the AC inlet connects to the rear panel.



OpenVPX™


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Hardware Specifications

POWER

- 100-140, 200-240 VAC input, 50/60 Hz
- Rear mounted IEC socket
- Front mounted power switch and indicator
- 1000 W total output
 - ▲ +5 V @ 60 A
 - ▲ +12 V @ 30 A
 - ▲ +3.3 V @ 35 A
 - ▲ +12 V Aux @ 10 A
 - ▲ -12 V Aux @ 4 A

COOLING

- Integrated fan unit sufficient to cool all five payload blades

BACKPLANE

- 1" slot pitch
- Backplane compliant to VITA 65 backplane profile BKP3-DIS06-15.2.7.3
- Payload slots compliant to VITA 65 payload slot profile SLT3-PAY-2F2T-14.2.5 with channels A and B arranged as 2 x4 fat pipes configured as a twisted ring from slots 1 to 5
- Payload control plane signals available for RTM use

MECHANICAL

- Blade insertion vertical with slot 1 on left side
- Top mounted handle
- Removable side covers to allow debug access for payloads and RTMs

TEMPERATURE

- Operating temperature range 0 to 55 °C
- Storage temperature range -40 to +85 °C

EMC COMPLIANCE

- Class A (FCC, VCCI, CE, KC, AS/NZ)

SAFETY STANDARDS

- Certified to UL/CSA 60950-1

ROHS COMPLIANCE

- RoHS 2 compliant

Ordering Information	
Part Number	Description
KR8-VPX-3-6-1	5 slot desktop chassis for air cooled 3U VPX payloads, AC power, ENP1-C
IVPX7225-02250822	3U VPX, air-cooled processor payload based on dual-core 2.5 GHz 3555LE, 8 GB DDR3L, 1" PITCH, ENP2
IVPX7225-RTM-1	3U VPX, air-cooled RTM for IVPX7225, 1" faceplate













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