9U VME 6021 Full Size Chassis

9U VME 6021 Full Size Chassis Bulletpoints

- **19" full-size 9U VME/VME64x** crate with up to 21 module slots.
- **Modular design:** bin, PSU, and advanced fan tray with 1U compression chamber.
- **Long-life DC fans (MTBF > 65,000 h),** speed adjustable, Ethernet monitoring.
- **Supports UEP 6021 PSUs** with ultra-low noise (< 3 mVpp for < 12 V rails).
- **Rugged steel-aluminum construction**, CE/UL compliant with auto-range AC input.

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Technical Information

Electrical Parameters:	
Inputs	
Mains input range	94–260 VAC, worldwide auto-range with PFC (via UEP 6021 PSU)
Input current	Not specified (depends on PSU configuration)
Inrush current	Not specified
Input fuse	Integrated in PSU (not specified for chassis itself)
Outputs	
Number of channels	Up to 21 module slots (via monolithic 6U VME64x backplane)
Output Voltages	Configurable with PSU UEP 6021, e.g. +5 V up to 115 A, ±12 V up to 23 A
Output Power	Up to 650 W (with PSU module)
Overvoltage protection	Integrated in PSU
Overcurrent protection	Integrated in PSU
Ripple and Noise	Optional ultra-low noise < 3 mVpp (< 12 V rails), others < 10 mVpp
Efficiency	~80% (with PSU)
Monitoring & Control	
Voltage	Displayed on alphanumeric LED (via fan tray & PSU)
Current	Displayed on LED, monitored via PSU shelf manager
Status LED	Yes (fan tray and PSU status LEDs)
Isolation	
Input - Output	Via PSU
Input - Chassis	Via PSU
Output - Chassis	Via PSU
Environment and Cooling:	
Operation temperature:	0…50 °C (expected, same as PSU)
Cooling media	Forced-air cooling with UEL 6020 EX fan tray (3 long-life DC blowers, MTBF > 65,000 h, adjustable 1200–3600 RPM)
Mechanical Parameters	
Dimensions	19” (482 mm) × 9U (400 mm) × 480 mm (W × H × D)
Weight	14 kg
Input Connector	Via PSU module (UEP 6021) – auto-range AC input
Output connector	Monolithic 6U VME64x backplane (J1/J2, optional J0), with 21 slots, active termination, daisy-chain auto-config, optional rear transition cage
Mounting	19” rack mount bin, modular design (bin, PSU, fan tray)
Other	
Communication Protocols	Ethernet (via fan tray), PSU can support CAN / RS-232 depending on model
Reliability	Modular construction, rugged steel-aluminum frame with 5 mm side plates, long-life fans, MTBF > 65,000 h
Warranty / Maintencance	Not specified

Electrical, Environmental & Compliance Data

Main Power

- **Output Voltages / Currents: Not directly specified for the chassis; with UEP 6021 PSU up to +5 V: 115 A, ±12 V: 23 A – standard configurations available**
- **Regulation (10–100% load change): Not specified**
- **Ripple & Noise (full load): Optional ultra-low noise < 3 mVpp for all < 12 V rails, others < 10 mVpp — achievable in combination with PSU UEP 6021**
- **Recovery time (10–100% load): Not specified**
- **Output impedance (static/dynamic @ 100 kHz): Not specified**

Auxiliary Power

- **None – primary rails supplied via integrated PSU(s)**

Compliance

- **Safety: Conforms to CE EN 60950, ISO 380, VDE 0805, UL 1950, C22.2.950 (as per PSU UEP 6021 system)**
- **EMC (emission): Not explicitly listed**
- **EMC (immunity): Not explicitly listed**
- **CE conformity: Yes – worldwide auto-range AC input (94–260 VAC) with PFC (through PSU UEP 6021)**

Environmental

- **Operating temperature: Not directly listed for 6023; similar to UEP 6021 (0–50 °C) expected, but not confirmed**
- **Storage temperature: Not specified**
- **Clean earth wiring: Not specified**
- **Cooling: UEL 6020 EX fan tray with three individually controlled long-life DC fans (MTBF > 65,000 h), LED status display, Ethernet monitoring, adjustable fan speeds (1200–3600 RPM), plus 1U compression chamber for optimized airflow inside chassis**

Communication / Monitoring

- **Local: Microprocessor-controlled fan tray with alphanumeric LED display for voltages, currents, temperatures, fan data, settings/programming; plus status LEDs**

- **Remote: Ethernet interface in fan tray for remote monitoring and control**

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