

9U VME 6023 Full Size Chassis



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- **High-density 21-slot 9U VME/VME64x rack mount crate** with robust steel-aluminum build (12U height)
- **Advanced cooling via UEL 6020 EX fan tray**, includes 1U compression chamber and Ethernet-monitored, long-life fans
- **Powerful PSU flexibility:** UEP 6021 modules support up to +5 V @ 345 A and ± 12 V outputs, with ultra-low noise, high density, and protection features
- **Full rear access to VME backplane**, with optional transition cages for easy maintenance and customization

Electrical Parameters:	
Inputs	
Mains input range	94–260 VAC, worldwide auto-range with PFC
Input current	Depends on PSU configuration (UEP 6021 modules)
Inrush current	Not specified
Input fuse	Integrated in PSU
Outputs	
Number of channels	Up to 21 slots (VME/VME64x backplane)
Output Voltages	+5 V up to 345 A, ±12 V up to 46 A (varies by PSU configuration)
Output Power	Modular PSU up to several kW
Overvoltage protection	Integrated in PSU
Overcurrent protection	Integrated in PSU
Ripple and Noise	ultra-low noise < 3 mVpp (< 12 V rails), others < 10 mVpp
Efficiency	75–85 % depending on PSU
Monitoring & Control	
Voltage	Monitored via Shelf Manager / PSU
Current	Monitored via Shelf Manager / PSU
Status LED	Fan tray LEDs (OK, fault, overheat)
Isolation	
Input - Output	PSU isolated
Input - Chassis	Isolated
Output - Chassis	Isolated
Environment and Cooling:	
Operation temperature:	0–50 °C (typical for 6000-series)
Cooling media	Forced-air, UEL 6020 EX fan tray with Ethernet control & compression chamber
Mechanical Parameters	
Dimensions	482 mm (19") × 533 mm (12U) × 720 mm (D)
Weight	17 kg
Input Connector	Rear AC inlet (part of PSU)
Output connector	VME/VME64x backplane J1/J2/J3
Mounting	19" rack mount
Other	
Communication Protocols	Ethernet (fan tray monitoring/control)
Reliability	Rugged, modular design; long MTBF fans; protected PSU
Warranty / Maintenance	Not specified

Main Power

- **Output Voltages:** Configurations include +5 V up to 345 A, ± 12 V up to 46 A (varies by model)
- **Output Power:** Provided via modular UEP 6021 PSU—up to several kW depending on modules
- **Overvoltage / Overcurrent Protection:** Built into PSU (UEP 6021)
- **Ripple & Noise:** Ultra-low noise < 3 mVpp on <12 V rails, others < 10 mVpp
- **Efficiency:** Reflects PSU performance (~75–85%)

Auxiliary Power

- **None** – primary rails supplied via integrated PSU(s) (UEP 6021 modules)

Compliance

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

Environmental

- **Operating temperature:** Not directly listed for chassis; expected similar to UEP 6021 PSU (0–50 °C)
- **Storage temperature:** Not specified
- **Clean earth wiring:** Not specified
- **Cooling:** UEL 6020 EX fan tray with 3 individually controlled long-life DC fans (MTBF > 65,000 h, adjustable 1200–3600 RPM), Ethernet-controlled, LED status display, plus 1U compression chamber for optimized airflow

Communication / Monitoring

- **Local:** Local: Microprocessor-controlled fan tray with alphanumeric LED display (voltages, currents, temperatures, fan speed, programmable settings) + status LEDs

- Remote: Ethernet interface (fan tray) for monitoring and control

Kontron Hartmann Wiener GmbH

Linde 18

51399 Burscheid

Tel.: +021746780

info.we@kontron.com

www.kontron.com/kontron-hartmann-wiener