

6U VME 395 Mini

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The VME395 mini crate series offers hot-swappable, redundant power supplies in 9 slots, compact but modular designed VME chassis. A front-side-plug high performance DC fan is used for cooling with front to rear air flow. One or two redundant operating plug-in 250W cPCI power supplies provide sufficient power for all applications.

The VME card sized CML shelf manager allows full remote monitoring and control of power supply, fan and chassis. The mini crate can be used on the desk either as a desktop or up-right unit or be installed in a 19" rack.

Main Features

- VME-MINI-Bin mechanics for 6U 160mm VME modules, suitable either for 19" racks, as tower- or desktop box
 - 9 slot monolithic backplane VME/VME64
 - Alphanumeric high-visibility LED display for voltages, currents, fan speed, temperatures and settings / programming, 4 status LED's
 - WIENER CML Shelf Manager for local and remote monitoring and control, monitors and controls power supply, fan, remote on/off, SYSRES, thermal monitoring, user I/O programming, with Ethernet and USB interfaces, rear side plugged in
 - Front side mounted, removable High-RPM DC blower, adjustable speed (1200 ... 3200 RPM), temperature controlled
 - Outfitted with one or two 250W cPCI power supplies, plugged in from rear, hot swappable, redundant operation, CE-conformity, 300W power supplies on request
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- VME-MINI-Bin mechanics for 6U 160mm VME modules, suitable either for 19" racks, as tower- or desktop box
 - 9 slot monolithic backplane VME/VME64

- Free rear access for 6U transition modules, standard transition cage for 6U 160mm modules, provisions for 80 and 120mm foreseen. Special depth on request
- Alphanumeric high-visibility LED display for voltages, currents, fan speed, temperatures and settings / programming, 4 status LED's
- WIENER CML Shelf Manager for local and remote monitoring and control, monitors and controls power supply, fan, remote on/off, SYSRES, thermal monitoring, user I/O programming, with Ethernet and USB interfaces, rear side plugged in
- Programmable under / over voltage and over current trip points, active DC output discharge Front side mounted, removable High-RPM DC blower, adjustable speed (1200 ... 6200 RPM), temperature controlled
- Outfitted with one or two 250W cPCI power supplies, plugged in from rear, hot swappable, redundant operation, CE-conformity, 300W power supplies on request
- 100V – 240V world-wide auto-range AC input, with power factor correction, CE-conformity
- Dimensions: 19" (482mm) x 5U (215mm) x 417mm [whd], weight: ca. 20 Kg

Standard configurations (other possible on request)

Crate Version	Backplane	+5V	+12V	-12V
VME 395_1	VME/VME64	33A	6A	1A
VME 395_2	VME/VME64	66A	12A	2A

VME / VME64x Mini crate 395

Specs:

Module cage formats	6U´160mm, VME standard, Transition 6U ´ up to 160mm
Crate Size	9 Slot , 19" or 435mm ´ 5U (221mm), 485mm depth
Mains input	wide range: 90...265VAC, 47-63Hz, 10A fuse, Inrush current less than 30A at 230Vac.
Isolation	Inp.-outp. CE EN 60950, ISO 380, VDE 0805, UL 1950, C22.2.950
Regulation	Typ. $\pm 1\text{--}\pm 4\%$. (Various with output voltage.)
Noise and ripple:	<50mVpp, typical <30mVpp (0-20MHz), <3mVrms (0-2MHz)
Operation:	0...40°C without derating, rel. humidity 30...80%, non condensing atmospheric pressure 70...110kPa, for 600W continuous power >85kPa
Storage:	-30°C up to 85°C
Stability:	10mV or 0,1% within 24 hours 25mV or 0,5% within 6 months
Overvoltage protection:	trip off, protection against broken sense lines
Internal temperature limits:	Cut off: 110°C heat sink, 70°C ambient, >45°C module exhaust accelerates fan speed to 100%
Cooling air flow	(max. fan speed): removable fan, 340m3h, blower MTBF >60 000h (40°C)

Efficiency: max. ca. 80%, depends on installed output voltages

Product Data Sheet

6U VME 395 Mini: [Print Product Data Sheet](#)

Documentation

Manual and Tech-Notes : [Crates 395](#)

[CML](#)

Introduction in to VME: [WIENER VME VXI VXS introduction](#)

Downloads

SYScontrol : [Download](#)

SNMP: [Download](#)

OPC-Server: [Download](#)

Firmware CML: [CML00](#)

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