

# 6U VME64x 395-x Mini

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The VME395-x mini crate series offers hot-swappable, redundant power supplies in a 9 slot, compact but modular designed VME64x 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 6Ux160mm, VME64x modules, suitable either for 19" rack, as a tower- or a desktop box
- IEEE 1101.10 compliant mechanics with enhanced EMC / ESD
- 9 slot monolithic VME64x backplane, optional P0 connectors
- 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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- 9 slot monolithic VME64x backplane, optional P0 connectors
- Free rear access for 6U transition modules, standard transition cage for 6U 80mm modules, provisions for 160 and 120mm foreseen. Special depth on request
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- 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
- Programmable under / over voltage and over current trip points, active DC output discharge
- 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 Crate configurations (other possible on request)

| Crate Version | Backplane       | +5V | +3.3V | +12V | -12V |
|---------------|-----------------|-----|-------|------|------|
| VME 395x_1    | J1/J2 VME64x    | 33A | 33A   | 6A   | 1A   |
| VME 395x_2    | J1/J2 VME64x    | 66A | 66A   | 12A  | 2A   |
| VME 395x_1_P0 | J1/J0/J2 VME64x | 33A | 33A   | 6A   | 1A   |
| VME 395x_2_P0 | J1/J0/J2 VME64x | 66A | 66A   | 12A  | 2A   |

### VME / VME64x Mini crate 395

#### Specs:

|                            |  |
|----------------------------|--|
| <b>Module cage formats</b> | 6U´160mm, VME standard, Transition 6U ´ up to 160mm  |
| <b>Crate Size</b>          | 9 Slot , 19" or 435mm ´ 5U (221mm), 485mm depth  |
| <b>Mains input</b>         | wide range: 90...265VAC, 47-63Hz, 10A fuse, Inrush current less than 30A at 230Vac.  |
| <b>Isolation</b>           | Inp.-outp. <b>CE</b> EN 60950, ISO 380, VDE 0805, UL 1950, C22.2.950   |
| <b>Regulation</b>          | Typ. $\pm 1\text{-}\pm 4\%$ . (Various with output voltage.)   |
| <b>Noise and ripple:</b>   | <50mVpp, typical <30mVpp (0-20MHz ), <3mVrms (0-2MHz)  |
| <b>Operation:</b>          | 0...40°C without derating, rel. humidity 30...80%, non condensing atmospheric pressure 70...110kPa, for 600W continuous power >85kPa |
| <b>Storage:</b>            | -30°C up to 85°C   |

|                                     |   |
|-------------------------------------|---|
| <b>Stability:</b>                   | 10mV or 0,1% within 24 hours    25mV or 0,5% within 6 months                                  |
| <b>Overvoltage protection:</b>      | trip off, protection against broken sense lines   |
| <b>Internal temperature limits:</b> | Cut off: 110°C heat sink, 70°C ambient,<br>>45°C module exhaust accelerates fan speed to 100% |
| <b>Cooling air flow</b>             | (max. fan speed): removable fan, 340m3h, blower MTBF >60 000h (40°C)                          |
| <b>Efficiency:</b>                  | max. ca. 80%, depends on installed output voltages  |

## Product Data Sheet

6U VME64x 395-x Mini:

[Print Product Data Sheet](#)

## Documentation

Manual and Tech-Notes :

[Crates 395](#)

[CML](#)

Introduction:

[WIENER VME VXI VXS introduction](#)

## Downloads

SYScontrol :

[Download](#)

SNMP:

[Download](#)

OPC-Server:

[Download](#)

UEP6Control:

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Firmware CML:

[CML00](#)

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