

6U VME 195 Mini

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The VME195 mini crate is the perfect choice for small setups with only a few VME modules. The crate offers 9 VME slots in a compact designed chassis with integrated low noise power supply and cooling fan. The mini crate can be used on the desk either as a desktop or up-right unit or be installed in a 19" rack.

Based on the 6000 series it has a built-in microprocessor controlled low-noise power supply technology and provides all local and remote monitoring and control features.

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
 - Micro-processor controlled with alphanumeric high-visibility LED display, 4 status LED's
 - Efficient DC blower, adjustable speed (1200 ... 3200 RPM)
 - Ethernet /RS232 / CAN-bus combo interface for crate remote monitoring and control
 - Built-in power supply designed in low noise VHF switching technology, noise and ripple typically less than 10mV(pp) or 3mV(rms) , CE-conformity
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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
 - Front and rear cover / screen for module space, cable duct between front- and rear-side of the card cages with space for one or more 2.5" hard / floppy-disks
 - Micro-processor controlled with alphanumeric high-visibility LED display, 4 status LED's

- Efficient DC blower, adjustable speed (1200 ... 3200 RPM)
- Integrated fan and thermal monitoring (8 temperature sensor ports, 5 ports free for custom applications) with temperature display (C/F), programmable over temperature protection
- Ethernet /RS232 / CAN-bus combo interface for crate remote monitoring and control
- Built-in power supply designed in low noise VHF switching technology, noise and ripple typically less than 10mV(pp) or 3mV(rms) , CE-conformity
- 94V – 265V world-wide auto-range AC input, with power factor correction, CE-conformity
- Dimensions: 19" (482mm) x 5U (178mm) x 480mm [whd], weight: ca. 25 kg

Standard configurations (other possible on request)

Crate Version	Backplane	+5V	+12V	-12V
VME 195	VME/VME64	45A	11.5A	11.5A
VME 195 Special	VME/VME64	115A	23A	23A

VME / VME430 / VME64x Mini crate 195

Specs:

Rated mains input range	106- 230VAC ± 15% (90...265VAC)		
Rated input current	Sinusoidal 16A		
Inrush current:	limited to rated input current (cold unit)		
Input fuse:	external,		
Isolation (Inp.- outp.)	CE EN 60950, ISO 380, VDE 0805, UL 1950, C22.2.950		
DC output power:	650... <1100W (92...265VAC)		
Regulation			
static:	MDH (>20A)	<0,05%	(+/-100% load, +/- full mains range)
	MDL / MDH	<0,1%	(+/-100% load, +/- full mains range)
dynamic:	MDH	<100mV	(+/-25% load)
	MDL / MDH	<0,7%	(+/-25% load)
Recovery time	+/-25% load:	within +/-1%	within +/-0,1%
Modules 550W	0,2ms	0,5ms,	
Modules 650W	0,5ms	1,0ms	
MDL / MDH	0,0ms	1,0ms	
(Conditions: Current slope $\leq 1000\text{A/ms}$, 21mF per 100A \triangleq 1mF per slot)			
Sense compensation range:	difference between min. and max. output voltage		

EMC Compatibility

EMA.	EN 61 000-6-3:2001	[RF emission]
	EN 55 022:1998 + Corr:2001 + A1:2000 Class B	conducted noise
	EN 55 022:1998+ Corr:2001 + A1:2000 Class B	radiated noise
	EN 61 000-3-2:2001	harmonics
	EN 61 000-3-3:1995 +Corr:1997 +A1:2001	flicker
EMB	EN 61 000-6-2:2001	[immunity]
	EN 61 000-4-6:1996 + A1:2001	injected HF currents
	EN 61 000-4-3:1996 + A1:1998 + A2:2001	radiated HF fields incl. "900MHz"
	EN 61 000-4-4:1995 + A1:2001	Burst
	EN 61 000-4-5:1995 + A1:2001	Surge
	EN 61 000-4-11:1994 + A1:2000	voltage variations
	EN 61 000-4-2:1995 + A1:1998 + A2:2001	ESD

Operation temperature: 0... 50°C ambient without derating, Storage:-30°C ... +85°C

Temperature coefficient: < 0,2% / 10K

Stability: 10mV or 0,1% / 24 hours, 25mV or 0,3% / 6 month (under constant conditions)

Current limits: adjustable to any lower level

Voltage rise characteristics: monotonic 50ms, processor controlled.

Overvoltage protection: crow bar protection trip off adjusted to 125% of nominal voltage each output

DC Off (trip off): within 5ms if >5% deviation from adjusted nominal values, after overload, overheat, overvoltage, undervoltage (bad status), and fan fail, if temperatures exceed 125°C at heat sinks.
Limits programmable. Outputs discharged by crow bars, when power supply tripped- or switched Off.

Efficiency: 75% ... 85%, depends on used modules

M F O T (Maintenance Free Operation Time):

internal blowers:	40°C ambient	>65 000 h
	25°C ambient	100 000 h
electronics:	40°C ambient	>100 000 h

Product Data Sheet

6U VME 195 Mini: [Print Product Data Sheet](#)

Documentation

Manual and Tech-Notes : [Crates 195](#)

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

Downloads

SYScontrol : [Download](#)

SNMP: [Download](#)

OPC-Server: [Download](#)

UEP6Control: [Download](#)

Firmware UEL: [UEL6](#)

[UEL6-Ethernet](#)

Firmware UEP : [Download](#)

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