

19" Rack Workstation PC

The workstations are characterized by the use of high-end components from renowned manufacturers. A mechanically stable case with vibration-damped drive cages offers a stable basis for use in industrial environments.

The case also offers a high degree of EMC compliance. The workstations are fitted as standard with a hard drive designed for continuous operation.

The power and reset buttons, the status LEDs for Power ON and hard drive access and the two USB sockets are located along with the disk drives behind a lockable case front, thus offering protection against undesired access.



All of the components are designed for 24/7 continuous operation. The μ ATX-format mainboard is equipped with an additional USB port inside the case for the secure connection of e.g. a dongle. The power supply is a 300-watt industrial ATX PSU.

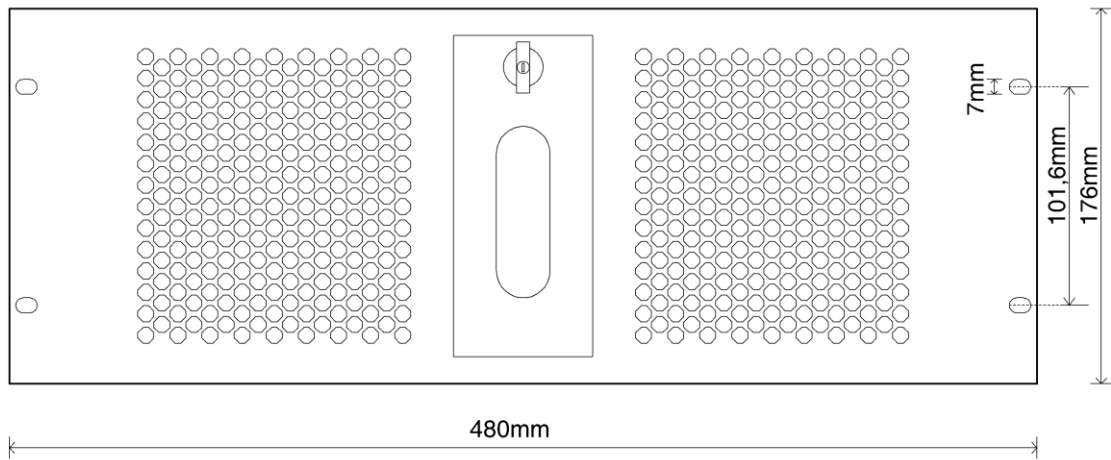
All systems are subjected to a wide range of tests including a 48-hour burn-in test in a heated cabinet. The modular structure enables the use of optional special configurations. All widely used operating systems can be supplied on request.

The VPE52.2 is equipped with the following interfaces:

Rear side of case: PS/2 keyboard and mouse, 6 x USB 2.0, 2 x USB 3.0, 2 x DisplayPort, DVI, 1 x serial RS232, Sound, 2 x gigabit LAN.

VPE 52.2	
Casing	19" Chenbro RM42300 Rackmount 4HE Chassis
Mainboard	Siemens-Fujitsu D3231-S
CPU	Intel Core i5-4690 LGA1150 3,5 GHz(3,9GHz Turbo) 6MB Cache
RAM	8 GB DDR3-SDRAM
Hard disk drive	\geq 500GB SATA (24x7h)
Hard disk cooler	Forced cooling with EBM-Papst 8 cm cooler
Graphics adapter	internal Intel HD Graphics 4600 chipset
Interfaces	1xSer, 2xDisplayport, 1xDVI, 6xUSB-2.0, 2xUSB-3.0, 2xUSB-2.0 front-sided, 1x USB internal on board, 2xLAN 10/100K/1G, sound, PS/2 mouse + keyboard
DVD R/W DL burner	SATA
Operating system	The operating systems must be ordered separately!

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Mechanical Data:**Vorderansicht / Front-View****Rückansicht / Rear-View****Seitenansicht / Side-View**

Technical Data:

Supply voltage	85 - 115 / 170 - 230 V / 47 – 63 Hz
Power consumption	max. 150W with regard to shipped configuration
Motherboard	µATX-Standard -> Fujitsu D3231-S
Expansion slots	1 x PCI(32Bit / 33MHz, Rev.2.3) 1 x PCI Express x16 (16 Lanes, Gen3) 1 x PCI Express x16 (4 Lanes, Gen2) 1 x PCI Express x8 (1 Lane, Gen2)
RAM-store	4 DIMM Sockets 1GB - 32GB, single/dual channel DDR3-1333 (CL9) and DDR3-1600 (CL11) SDRAM unbuffered, non ECC equipped as standard with 8GB (4*2GB)
Processor	Intel Core i5-4690 – LGA1150
Hard disk drive	SATA-600 compatible hard disk drive >= 1 TByte suitable for 24/7 operation
Optical drive	SATA CD/DVD burner combo drive
Front-accessible drive bays	2 x 3,5“ 2 x 5,25”
Degree of protection (front)	IP 51
Degree of protection (whole case)	IP 20
Cooling	forced cooling
Ambient temperature	0...40C°
Dust protection	replaceable filters in the front
Air humidity	10% to 90% - non condensing
Shock/operation	2g 10 ms
Shock/bearing	40g 11 ms
Vibration/operation	0 – 100 Hz 0,5g
Vibration/bearing	0 – 100 Hz 2g
Maximum operation altitude	2000 meters above sea level
Certification	CE
Weight	approx..18 kg
Size	183 x 481 x 505 mm (height x width x depth)
Front panel cut	178 x 440 mm (height x width)

Power supply unit

TÜV, UL, CE, CCC

EN 60950-1: 2006 + A11 + A1 + A12 + A2

EN 55022: 2010 Class B

EN 55024: 2010

EN 61000-4-2: 2009

EN 61000-4-3: 2006 + A1: 2008 + A2: 2010

EN 61000-4-4: 2012

EN 61000-4-5: 2014

EN 61000-4-6: 2014

EN 61000-4-8: 2010

EN 61000-4-11: 2004

EN 61000-3-2: 2014

EN 61000-3-3: 2013

EN 61000-6-2: 2005

EN 61000-6-4: 2007 + A1: 2011

Criteria

B

A

B

B

A

A

B,C

Mainboard

CE

EN 55022: 2010

EN 55024: 2010

EN 61000-3-2: 2006 + A1: 2009 + A2: 2009

EN 61000-3-3: 2008