

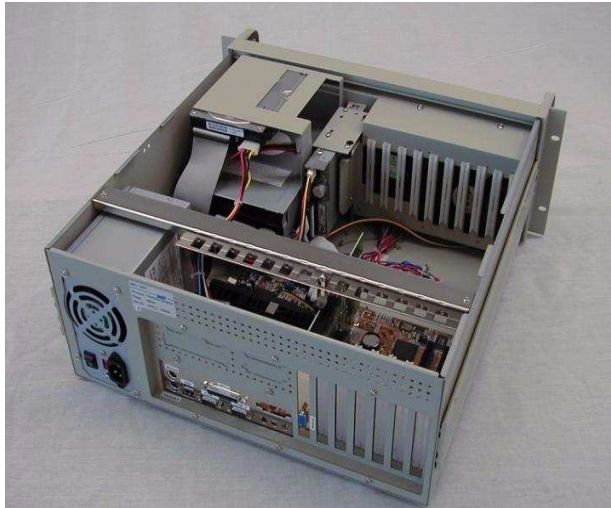
19" built-in industrial PC

The industrial PC's are distinguished by high-quality PC-components as well as high mechanical stability.

The enclosure is a 19" / 4 HU sized steel plate case with 3 integrated fans. This kind of case provides a high level of EMC-protection and high mechanical stability.

The 2.5"-hard disk, suitable for the continuous operation, is assembled in a shock and vibration solid installation framework and in addition cooled by two fans. The VPE39 has the hard disk directly behind the big fan.

The disk drives as well as the exchangeable air filter are located behind a lockable door. Besides there are also located the "On"-switch, the "Reset"-Key and also the LED's for "Power on", "HDD ON" and twice USB.



Interfaces for keyboard, mouse, graphics output, 1 serial ports, 2 LAN and 6 USB-2.0 ports are accessible from the rear.

The electronics consists of commercially available standard PC components. The motherboard has ATX format. As voltage supply serves a 300 watts industrial ATX power supply unit. All industrial PC's are undergoing extensive tests, including a 48 hours "Burn-in-test" in an oven.

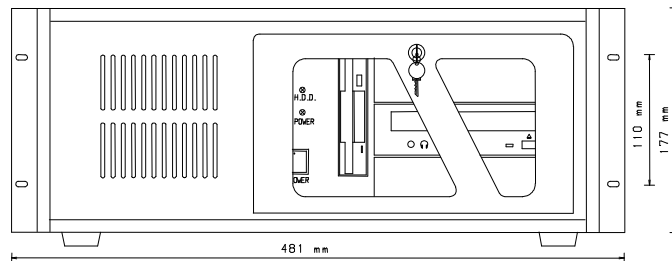
The computers are built up modularly thus enabling custom configurations that deviate from the standard models.

All conventional operating systems may be supplied.

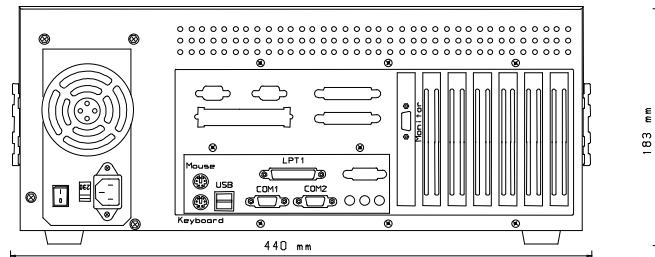
Typ		VPE35	VPE36	VPE39
Casing	Industrial-PC 19" 4 HU	X	X	X
Mainboard	Siemens-Fujitsu D2836-S	X	X	X
CPU	Intel Core 2 Duo \geq 2.8 GHz LGA775; 1066 MHz; 3 GB cache	X	X	X
RAM	2 GB DDR2-SDRAM PC2-5300 4 GB DDR2-SDRAM PC2-6400	X	X	X
Hard disk drive	\geq 80 GB 2,5" SATA (24x7h) \geq 300 GB 2,5" SATA (24x7h)	X	X	X
Hard disk cooler	ATR – FK1 incl. rubber-bonded metal suspension and fan ATR – FK2 incl. rubber-bonded metal suspension	X	X	X
Graphics adapter	Internal Intel GMA 4500 graphic controller incl. DVI-ADD2 card	X	X	X
Interfaces	1xser, 1xVGA, 1xDVI, 6xUSB-2.0, 2xUSB-2.0 in the front site, 2xLAN 10/100K/1G, sound, PS/2-mouse + keyboard	X	X	X
DVD ROM	SATA	X		
DVD R/W DL burner	SATA		X	X
Operating system	The operating systems must be ordered separately!			

Visit our web site: <http://www.atr.de/Produkte/IndustriePC.shtml>

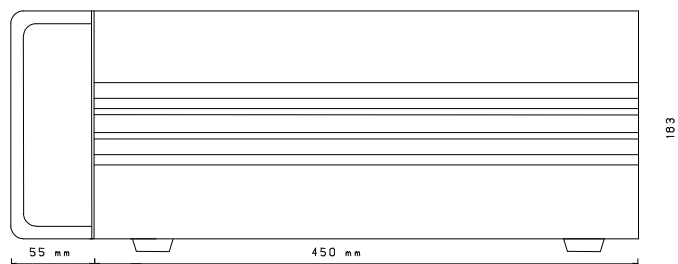
Front View



Rear View



Side View

**Technical Data:**

Supply voltage	85 - 115 / 170 - 230 V / 47 - 63 Hz
Power consumption	max. 375 W
Motherboard	ATX standard
Expansion slots	4 x PCI (32 bit / 33 MHz, rev. 2.3) 1 x PCI Express x16 (coated with DVI-ADD2 card) 1 x PCI Express x8 1 x PCI Express x1
RAM store	max. 4 x 16 GB DDR2 800 SDRAM (no ECC)
Processor	Intel Core 2 duo - LGA775
Front-accessible drive bays	1 x 5,25" (VPE39 2x) half height 1 x 3,5"
Degree of protection (front)	IP 51
Degree of protection (whole case)	IP 20
Cooling	forced cooling
Ambient temperature	0...40C°
Dust protection	Exchangeable filter in the front side
Power supply unit	VDE 0805; CE; CB; UL; UL _C
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
EMC	European regulations 55011; 55014-1; 55014-2; 55015; 55022A; 55022B; 60950.
Certification	CE
Weight	approx. 18 kg
Size	183 x 481 x 505 mm (height x width x depth)
Cut-out of the control panel	178 x 440 mm (height x width)