Industrial Computer
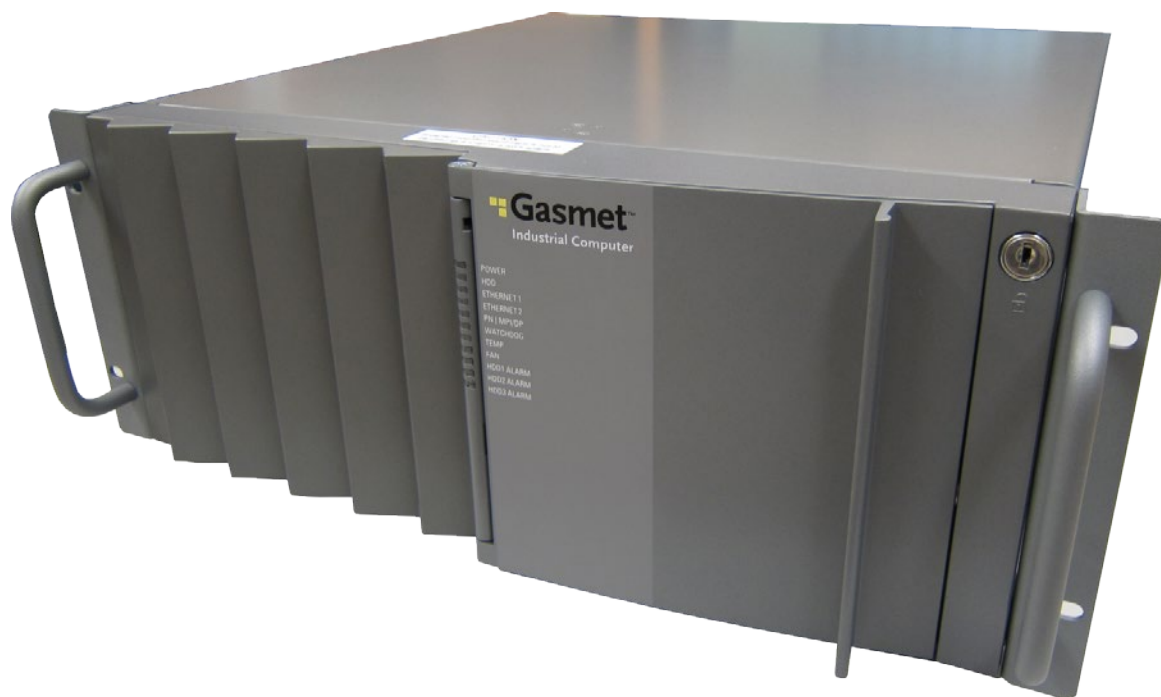

Gasmet Industrial Computer

Gasmet industrial computer is required to operate the analyser, to control the sampling system, translate measured and analysed concentrations and alarms to higher level automation and control systems.

In essence, the Gasmet software (Calcmet) can be operated in any Windows computer. However, many typical continuous monitoring applications require analogue inputs and outputs, relay contacts, status input and output values, all of which can optionally be provided by adding desired expansion cards to the Gasmet industrial computer.

The standard computer configuration provides analyser control via a serial port, watchdog support and remote control for service and troubleshooting purposes. Additional features including sampling system control, current and alarm outputs and multipoint sampling can be realized by adding suitable expansion cards to the computer.

Standard configuration

Normal configuration:	Intel® Core™ i3-330E 2.13 GHz processor, 4 GB DDR3-SDRAM memory, 2 x 3.5" SATA HDD, RAID 1, Back-up hard disk (empty) and docking station, DVD-RW drive, network card (2 pcs)
Operating system:	Windows 7 (32-bit) (English)
Software included:	Calcmet STD for Windows
Watchdog support:	Included
Mouse:	Optional
Keyboard:	Optional

Optional input / output expansion cards

AdLink PCI cards:

- Analogue output   8 x 4-20 mA / card
- Digital input / output   16 x input / 16 x output / card
- Relay output   8 / card
- Analogue input   8 x 0-10 V / card (max. 8 cards)

Optional input / output expansion modules

Built in weather proof casing or on DIN rail.

Enclosure:	IP66
Beckhoff:	
- Digital output	8 x 0.5 A / module
- Digital input	8 / module
- Analogue output	8 x 4-20 mA / module
- Analogue input	4 x 4-20 mA / module, 4 x 0-10 V / module
	(max. 255 modules)
FieldBus:	ModBus, ModBus TCP/IP, Profibus, ASCII, DDE link. RS232 or RS422/485

Electrical connections

Networking:	2 x LAN 10/100/1000 Mbit/s Ethernet interface (RJ45, team capability)
USB connections:	4 x USB 2.0 at the rear, 2 x USB 2.0 at the front (one of which can be used when the front hatch is closed)
Serial/parallel ports:	COM1 (RS-232), COM2 (RS-232), LPT1
Audio:	Line out, microphone in
Mouse:	PS/2
Keyboard:	PS/2
Display:	DVI-I

EMI protection / electrical safety

CE label:	According to EMI guideline 89/336/EC

Enclosure

Dimensions:	19" rack, height 4 U
	431 × 487 × 176 mm (W×D×H)
Weight:	16.7 kg