



SICLIMAT™ X

Compact system OSC-TX 150 S4

OSC-TX

Single-user operator and monitoring system for SICLIMAT X, comprising hardware and basic system software.

Application

The OSC-TX 150 S4 compact system comprises not only the computer (X-OS) but also the actual SICLIMAT X V4.0 software.

Even in this compact format, the SICLIMAT X system is suitable for the operation of buildings for all purposes. The system software incorporates all the management and automation level functions necessary to optimize the use of the building services plant.

The software covers the following function groups:

- Operation and monitoring
- Archiving
- Documentation (reports)
- Memo
- Administration
- Optimization
- Ports/interfaces

As an option, the compact system can be expanded seamlessly and easily. It communicates with the connected SIMATIC S7 automation stations via the Industrial Ethernet bus. The E/P link is required for connection of SIMATIC S7 via the PROFIBUS.

Features

In design terms, the main control unit is based on a modern server PC.

The mini-tower incorporates spare PCI slots for quick-installation I/O cards, and a built-in graphics processor.

The Pentium 4 processor has a clock speed of 3.4 GHz and 2 GB of RAM.

The SCSI hard disk has hotplug capability and a capacity of 73 GB. With RAID level 5, a maximum of 4 hard disks can be plugged in.

The first operator station, which also incorporates the system console, can be connected via the built-in graphics processor (not included, but a TFT monitor is recommended). Other operator stations are connected via the terminal bus.

There is an onboard network card with an RJ45 twisted-pair connection. Also supplied are a 3m 10BaseT cable and a DVD R/W drive (including CD R/W).

Optional extras

- PCI watchdog module with 4 volt-free outputs
- Data backup: DAT streamer (DDS-5) with a capacity of 36 GB
- Port extender to increase the number of serial ports (e.g. for message printer).
- System bus adapter for Industrial Ethernet
- Clock: serial radio clock module for DCF 77
- Hard disks for memory expansion and for mirroring during operation, up to RAID level 5.
- RAID controller for RAID Level 5
- E/P link for connection of SIMATIC S7 via PROFIBUS
- S5 link to accommodate ISA modules when replacing a computer
- Uninterruptible power supply (UPS)

Software

The operating system is SuSE Linux 8.2. Data archiving and data management are handled by the Oracle Workgroup Server V9 (with 5 named-user licenses). Both items are components of the SICLIMAT X basic package already installed.

Refer to the relevant data sheets for information about the functional scope of the listed software components.

The compact system is supplied with a basic 1,000 data points.

However, this can be extended in units of 1,000 data points at a time, up to a maximum of 9,000).

The SICLIMAT X graphics editor, GEDIT, is supplied as part of the compact system package and is used to generate and process full plant operating graphics.

The auxiliary trend software is also included. This is used to display data points in graph form.

PCC TCP/IP is also included, for connection to SIMATIC S7.

Ordering

When ordering, please specify the quantity, product name and type code.

<i>Type</i>	<i>Order No.</i>
Operator station	6FLOSC-TXS4V4
OSC-TX 150 S4	

An order for 6FLOSC-TXV4 includes:

- **1 x 6FLOSM-TXS4V4** (Basic PRIMERGY TX 150 S4 unit)
- **1 x 6FLGRUND-V40** (Basic multi-user system package with Oracle and Linux)
- **1 x 6FLDP-PACK-V4** (allows a maximum of 1,000 data points)
- **1 x 6FLBED-PLATZ** (Operator station license for one operator station)
- **1 x 6FLGEDIT-V4** (Plant graphics editor)
- **1 x 6FLTREND-GPV4** (Basic trend package)
- **1 x 6FL4214-4NC91** (S7 communications package (PCC TCP/IP))

Technical data

	Type	OSC-TX 150 S4
System unit	CPU	Pentium 4 processor 3.4 GHz
	Second level cache	256 kBytes ECC
	Memory	2 GB
	Hard disk drives	1 x 73 GB, hotplug (max. 4 hard disk drives up to RAID level 5)
	Floppy drive	3.5 inch, 1.44 MB
	DAT drive (optional)	DDS-5, 36 GB 3 Mbyte/s, internal
	DVD R/W drive (including CD R/W)	5.25 inch
	Graphics card	Onboard, 8 MB
	Network card	Intel 10/100/1000+ onboard with RJ-45 connector and 1 plug-in cable 10BaseT, 3 m
	Keyboard and mouse:	2-button mouse
	Watchdog module (optional)	PCI module with 4 relay outputs
	Ports/interfaces	<ul style="list-style-type: none">• 2 x RS-232-C (serial, 9 pin)• 1 x Centronics (parallel, 25 pin EPP/ECP compatible)• 3 x USB• 2 x PS/2 for mouse or keyboard• 1 x VGA 15 pin
	PCI slots	5 x PCI, 2 x PCI Express (1x1, 1x 8)
	Drive bays	
	– For hard-disk drives	4 x 3.5 inches for standard SATA or hotplug SCSI (in plug-in unit)
	– For accessible drives	2 x 5.25 inches spare
	Display (optional)	Color monitor for operator station, or B/W monitor as system console
	17 to 21 inch (TFT monitor recommended) 15 inch	
Power supply module	Power supply	274 W (continuous rating)
	Mains voltage	AC 100...240 V
	Mains frequency	50 ... 60 Hz
Dimensions / Weight	Dimensions (H x W x D) in mm	444 x 205 x 605
	Weight	Approx. 28 kg depending on configuration
Ambient conditions	Ambient temperature	10 to 35 °C to DIN EN 60721
	Noise class	Class 1 to ISO 9296
Compliance with industry standards	Product safety	EN 60950 / IEC 60950
	FCC certificate	Class A
	Electromagnetic compatibility	EN 55022 Class A EN 55024
	Meets the requirements for CE marking defined in EU Directives:	89/336/EEC (EMC) 73/23/EEC