



SICLIMAT™ X

Compact system OSC-TX 150 S6

OSC-TX

Single station operating and monitoring system for SICLIMAT X consisting of hardware and basic system software.

Use

The compact system OSC-TX 150 S6 includes the actual SICLIMAT X software V4.1 in addition to the server (X-OS).

The SICLIMAT X compact system allows you to operate all types of buildings. The system software includes all management and automation level functions allowing for the optimal use of building plants.

The software includes functional groups.

- Operating and monitoring
- Archiving
- Documentation (logs)
- Information
- Administration
- Optimization
- Interfaces

The compact system can be easily and seamlessly expanded. It communicates with connected SIMATIC S7 automation stations via the industrial Ethernet system. The E/P link is required to connect the SIMATIC S7 via PROFIBUS.

Features

The main control unit is based on a modern server PC.

The mini-tower contains free PCI and PCI-E slots for fast I/O cards and an integrated graphic processor.

The Intel Xeon Dual-Core Process has a speed of 2.33 GHz and 2 GB DDR2 SDRAM. A hot-plug capable 73 GB SAS hard drive. Max. 4 hard drives can be inserted at RAID level 5 (RAID controller on board).

The first workstation, which also includes a system console, can be connected via the built-in graphics processor (not included, but we recommend a TFT monitor); additional workstations via the terminal bus.

The board comes with a network card with twisted pair plug (RJ45). A * m 10BaseT cable is also included.

One DVD R/W drive (including CD R/W) is also included with the package.

Optional extensions

- PCI watchdog groups with 4 potential-free outputs.
- Data backup: DAT-Streamer (DDS-5) with a capacity of 36 GB.
- Interface multiplier to extend the number of serial interfaces (e.g. for message printer).
- System bus adapter for industrial Ethernet.
- Serial radio clock module for DCF 77.
- Hard drive memory expansion as a mirrored drive up to RAID level 5.
- E/P link to connect SIMATIC S7 via PROFIBUS.
- S5 link to add ISA components for exchanging servers.
- Uninterrupted power supply (UPS).

Software

SuSE Linux 10.0 serves as the operating system. The Oracle workgroup server V9 is used to archive and administer data (1 processor license).

Both components are an integral part of the SICLIMAT-X basic package V4.1 and are delivered with it.

The associated data sheets provide information on all listed components.

The compact system basic configuration is delivered with 1,000 data points.

Expansion in packets of 1,000 data points each (up to a maximum of 9,000) is possible.

The SICLIMAT X graphics editor GEDIT comes with the compact system to generate and edit graphical plant pictures.

The supplement Trend software is also included. This allows for the graphical depiction of data points in curves.

PCC TCP/IP is included as a supplement to connect to SIMATIC S7.

Ordering

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

<i>Type</i>	<i>Order number</i>
Operator station	6FLOSC-TXS6V41
OSC-TX 150 S6	

Included in the 6FLOSC-TXV6V41 order

- **1 x 6FLOSM-TXS6V41** (basic unit TX 150 S6, PC. Intel Xeon Dual-Core)
- **1 x 6FLGRUND-V41** (Basic multiple user system with Oracle and Linux)
- **1 x 6FLDP-PACK-V4** (Maximum 1,000 data points possible)
- **1 x 6FLBED-PLATZ** (Workstation license for one workstation)
- **1 x 6FLGEDIT-V4** (Plant image editor)
- **1 x 6FLTREND-GPV4** (Trend basic package)
- **1 x 6FL4214-4NC91** (Communication package S7 (PCC TCP/IP))

Technical data

	Type	OSM-TX 150 S6
System unit	CPU	Intel Xeon Dual-Core process 2.33 GHz
	RAM	2 MB
	Hard disk drives	Hard drive SAS 1 x 73 GByte, max. 4 HDD-hot-plug plug-in to RAID-Level 5
	Diskette drive	3.5 inch, 1.44 MB
	DAT drive (optional)	DDS-5, 26 GB, 3.5 MB/s, internal
	DVD R/W drive (including CD R/W)	5,25"
	Graphics card	on board 32 MB
	Network card	Intel 10/100/1000+ on board with RJ-45 plug and 1 plug wire 10BaseT, 3 m
	Keyboard, mouse	2-button mouse
	Watchdog group (optional)	PCI group with 4 relay outputs
	Interfaces	<ul style="list-style-type: none"> • 2 x RS-232-C (seriell, 9-pin.) • 1 x Centronics (parallel, 25-pin EPP/ECP compatible) • 5 x USB • 2 x PS/2, mouse, keyboard • 1 x VGA (15-pin)
	Slots	3 x PCI, 3 x PCI Express (1x4, 2 x 8)
	Mounting slots	
	– for HD drives	4 x 3.5 inch for standard SATA hot-plug SAS (in the slot)
	– for operable drives	2 x 5.25 inch available
Visualization (optional)	Color monitor for workstation	17 to 21 inch (TFT monitor recommended)
	B/W monitor as system console	15"
Power	Power supply	232 W
	Mains voltage	AC 100 to 240 V
	Mains frequency	50 to 60 Hz
Dimensions / weight	Dimensions (H x W x D) in mm	444 x 205 x 605
	Weight	ca. 28 kg, depending on configuration
Ambient conditions Standards	Ambient temperature	10 to 35 °C, as per DIN EN 721-3-3
	Product safety	EN 60950 / IEC 60950
	FCC guidelines	Class A
	Electromagnetic compatibility	EN 55022 Class A EN 55024
	CE labeling as per EU directives	89/336/EEC (EMC) 73/23/EEC