



SICLIMAT™ X

## Multi-user systems OSM-TX 150 S4 Rack

## OSMR-TX

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Rack-mounted server PC as the basis of the multi-user system for operation and display in SICLIMAT X.

### Application

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The OSM-TX 150 S4 consists of the hardware only. The SICLIMAT X software is optional.

It communicates with the connected SIMATIC S7 automation stations via the Industrial Ethernet system bus. The E/P link is required for connection of SIMATIC S7 via the PROFIBUS.

If the OSM-TX 150 S4 is used to replace an existing computer (e.g. for service purposes), an S5 link is required (to accommodate the ISA modules).

## Features

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In design terms, the main control unit is based on a modern server PC. The rack 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. A maximum of 4 hard disks can be plugged in at RAID level 5.

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

There is an onboard network card with an RJ45 twisted-pair connection.

Delivery includes a 3m 10BaseT cable and a DVD R/W drive (including CD R/W).

## Optional extras

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- 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

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The operating system is SuSE Linux 8.2.

Data archiving and management are handled by the Oracle Workgroup Server V9.

Both these components are supplied as part of the SICLIMAT X basic software package V4.0. However, they are not a part of the package described in this data sheet.

## Ordering

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

*Type*

*Order No.*

**Operator station**

**6FLOSMR-TXS4V4**

**OSM-TX 150 S4 Rack**

## Technical data

	Type	OSM-TX 150 S4 Rack
System unit	CPU	Pentium 4 processor 3.4 GHz
	Second level cache	256 KB 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 RJ45 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"> <li>• 2 x RS-232-C (serial, 9 pin)</li> <li>• 1 x Centronics (parallel, 25 pin EPP/ECP compatible)</li> <li>• 3 x USB</li> <li>• 2 x PS/2 for mouse or keyboard</li> <li>• 1 x VGA 15 pin</li> </ul>
	PCI slots	5 x PCI, 2 x PCI Express (1x1, 1 x 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 for 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 (W x H x D) in mm	444 x 205 x 605 (without connector)
	Weight	Approx. 28 kg depending on configuration
	Installation height inside control panel	5 standard installation height units (U)
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

