



SICLIMAT™ X

Multi-user systems OSM-TX 150 S4 Rack

OSMR-TX

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

Application

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

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

- 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 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

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

Type

Operator station

OSM-TX 150 S4 Rack

Order No.

6FLOSMR-TXS4V4

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"> • 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, 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

