



SICLIMAT™ X

Multiple user system OSM-TX 150 rack

OSMR-TX

Forms the basis for multiple user operating and monitoring systems for SICLIMAT X, consisting of one rack-mounted server PC.

Use

OSM-TX 150 S3 contains only hardware. The actual SICLIMAT X software is optional. 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. The S5 link is required (addition of ISA components) when the OSM-TX 150 S3 is employed as a replacement for existing computers (e.g. service).

Features

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

The rack contains free PCI slots for fast I/O cards and an integrated graphics processor.

The Pentium 4 processor has a speed of 3.6 GHz and 1 GB RAM.

A hot-plug capable 73 GB SCSI hard drive. Max. 4 hard drives can be inserted at RAID level 5.

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-4) with a capacity of 20 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.
- Harddrive memory expansion as a mirrored drive up to RAID level 5.
- RAID controller for 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 8.2 serves as the operating system.

The Oracle workgroup server V9 is used to archive and administer data.

Both components are part of the SICLIMAT X basic package V 4.0 and are provided with the same, but are not part of the package as described in this document.

Ordering

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

<i>Type</i>	<i>Order number</i>
Operator station	6FLOSMR-TXV4
OSM-TX 150 S3 Rack	

Technical data

	Type	OSM-TX 150 S3 Rack
System unit	CPU	Pentium 4 processor 3.6 GHz
	Second level cache	256 KB ECC
	Memory	1 GB
	Hard disk drives	1 x 73 GB, hot-plug (max. 4 plug-in hard drives up to RAID level 5)
	Diskette drive	3.5 inch, 1.44 MB
	DAT drive (optional)	DDS-4, 20 GB, 3 Mbyte/s, internal
	DVD R/W drive (including CD R/W)	5.25 inch, 4x (DVD + only)
	Graphics card	on-board, 8 MB
	Network card	Intel 10/100/1000+ on-board with RJ-45 plug and 1 plug line 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 (serial, 9-pin) • 1 x Centronics (parallel, 25-pin, EPP/ECP compatible) • 3 x USB • 2 x PS/2, mouse, keyboard • 1 x VGA (15-pin)
	Slots	5 x PCI, 1 x PCI Express (1x1)
	Mounting slots	– for HD drives
– for operable drives		
Visualization (optional)	Color monitor for workstation or B&W monitor for system console	17 to 21 inch (TFT monitor recommended) 15"
Power	Power supply	274 W (permanent supply)
	Mains supply	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 (without plug)
	Weight	ca. 28 kg, depending on configuration
	Insertion height in rack	5 height units (U)
Ambient conditions	Ambient temperature	10 to 35 °C, as per DIN EN 60721
	Noise class	1 as per ISO 9296
Standards	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

