



SICLIMAT™ X

## Multi-user system OSM-Econel 50

OSM

---

Server as the basis for a multi-user operator and monitoring station for SICLIMAT X.

### Application

---

The OSM-Econel 50 (X-OS) 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 module is required for connection of the SIMATIC S7 automation stations via the Profibus.

If the OSM-Econel 50 is used to replace existing computers (e.g. for service), the S5 link is required (to accommodate the ISA modules).

## Features

---

The main operator station is designed on the basis of a modern PC.

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

The Celeron processor has a clock speed of 2.8 GHz and 512 Mbytes of memory.

The SATA hard disk has a capacity of 80 Gbytes. A maximum of 4 hard disks can be plugged in at RAID level 1.

The first operator station, which also incorporates the system console, can be connected via the built-in graphics processor (FTF 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 3 m 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-4) with a capacity of 20 Gbytes
- Port extender to increase the number of serial ports (e.g. for message printer).
- System bus adapter for Industrial Ethernet
- Timer: serial radio clock module for DCF 77
- Hard disks for memory expansion and mirroring during operation
- E/P link for connection of SIMATIC S7 via Profibus
- S5 link to accommodate the ISA modules when replacing 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 V4.0 software.

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.

<i>Type</i>	<i>Order No.</i>
<b>Operator station</b>	<b>6FLOSM-ECOV4</b>
<b>OSM-Econel 50</b>	

## Technical data

	<b>Type</b>	<b>OSM-Econel 50</b>
System unit	CPU	Celeron processor 2.8 GHz
	Second level cache	256 kByte ECC
	RAM	512 Mbytes
	Hard disk drives	1 x 80 GB, SATA (max. 4 hard disk drives up to RAID level 1)
	Floppy drive	3.5 inch, 1.44 Mbyte
	DAT drive (optional)	DDS-4, 20 Gbytes, 3 Mbyte/s, internal
	DVD R/W drive (including CD R/W)	5.25 inch, quad (DVD+ only).
	Graphics card	Onboard, 8 Mbyte
	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	<ul style="list-style-type: none"><li>• 1 x RS-232-C (serial, 9 pin)</li><li>• 1 x Centronics (parallel, 25 pin EPP/ECP compatible)</li><li>• 6 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, 1x8)
	Drive bays slots	
– For hard-disk drives	4 x 3.5 inch for standard SATA	
– For accessible drives	2 x 5.25 inch (spare)	
Display (optional)	Color monitor for operator station, or SW monitor as system console	17 to 21 inch (TFT monitor recommended) 15 inch
Power supply	Supply voltage	240 W (continuous rating)
	Mains voltage	AC 100...240 V
	Mains frequency	50 ... 60 Hz
Dimensions/Weight	Dimensions (H x W x D) in mm	390 x 203 x 500
	Weight	Approx. 19 kg depending on options fitted
Ambient conditions	Ambient temperature	10...35 °C, to IEC 721
	Noise class	0 to ISO 9296
Compliance with industry standards	Product safety	EN 60950 / IEC 60950
	FCC certificate	Class A
	Electromagnetic compatibility	EN 55022 Class B EN 55024
	Meets the requirements for CE marking in EU Directives:	89/336/EEC (EMC) 73/23 EEC (LVD)

