



SICLIMAT™ X

Link to connect SIMATIC S5

S5-Link

The S5 Link is used by SICLIMAT X to exchange existing computers to connect SIMATIC S5, PRU and COMPAS to X-OS.

It is capable of connecting PROFIBUS, SINEC L1 and Industrial Ethernet using the widest possible array of protocol (TF, FMS, FMS-GA) via the terminal bus (TCP/IP) to the X-OS, based on the latest computer generation.

Application

All SIMATIC S5, PRU and COMPAS may only be operated in the future via the S5 Link when exchanging computers. Three ISA modules can be plugged in (limited combinations possible).

- CP 5412 A1 (PROFIBUS TF for SIMATIC S5 and COMPAS)
- CP 5412 A2 (PROFIBUS FMS-GA for SIMATIC S5 or PROFIBUS FMS to connect TEC/RX via PRU)
- CP 1413 (Industrial Ethernet for SIMATIC S5)
- DF 32 (SINEC L1 for BS 760 to connect SIMATIC S5)

This allows for the use of state-of-the-art computers for SICLIMAT X to connect SIMATIC S5, COMPAS, and TEC/RX via PRU

- For non-repairable computer outages
- For upgrading as part of the service business

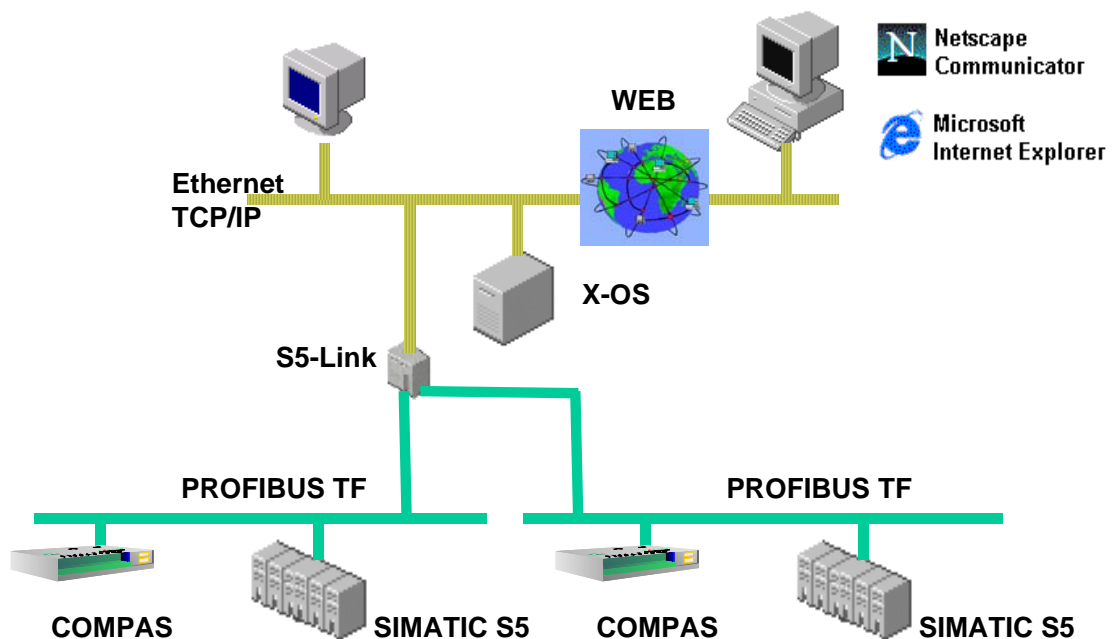
No changes required in the field

There is no limitation to the current bill of quantity

Download and test operation possible

Furthermore, EIB and GMA can be connected via the integrated serial interface.

Example: two PROFIBUS lines using SIMATIC S5 and COMPAS



Performance characteristics

The S5 Link is based on a compact, industrial PC (width 254 mm, height 175 mm, depth 410 mm) in IP class 21

Up to 3 bus lines (3 PCCs) can be connected to the S5 Link.

Generally, existing circuitry from the computer to be replaced is taken out and plugged into the S5 Link. The following applies:

- Multiple S5 Links can be connected to an X-OS (maximum 7 PCCs per X-OS)
- One S5 Link may be distributed to multiple X-OS (maximum 3, if each only one CP is assigned to each X-OS)

EIB or GMA are connected via the serial interface on the S5 Link (COM2 / required a PCC).

The S5 Link can be connected to the terminal bus using 10/100 Mbits/s via an RJ45 plug (autosensing)

The S5 Link is transparent with regard to operational and monitoring, download and test operation functions, since telegrams from and to X_OS are simply passed on.

SCO-Unix V5.02 is the operating system (the same as the current X-OS). Operating system and application system are stored in S5 Link on a flash disk (own SCO license required). This ensure that S5 Link restarts automatically following a power outage.

Engineering

The S5 Link is supplied with a preset IP address which may be changed once to use it in a plant via the serial interface (COM1). Access via the serial interface takes place using a null modem cable and a terminal or terminal emulation on the PC. An IP address is set at the plant, if entered when ordering. No change required on site. S5 Link is then recognized in the Ethernet and the engineering parameter, existing on the X-OS, can be loaded once from there to the S5 Link.

Order

Enter number, name and type code when ordering.

<i>Type</i>	<i>Order number</i>
S5 Link	6FL-S5LINK

System requirements

Technische Daten

	Type	S5 Link
Ambient conditions	Operating temperature / air humidity during operation	0 - 50°C / 10 - 90% not condensed
	Storage temperature / air temperature during storage	-10 – 85°C / 5- 95%
Connections	Voltage:	90 – 264VAC, 47 – 63Hz
	Power consumption	type. ca. 35 W
Ports/interfaces	Process bus	Corresponding to the CP used
	Ethernet connection (terminal bus)	Twisted pair, RJ45, 10/100 Mbit/s, autosensing
	Serial interfaces	2 x RS-232 / 9-pin sub D plugs
Mounting	Attachment	Angle with drill or unattached as a table-top device
Dimensions / weight	Dimensions (W x H x D)	254 x 175 x 410mm
	Weight	ca. 10 kg
Compliance with standards	CE designation per EU directives	Class B
	IP class	IP 21
Accessories	Mains line	Inlet connector for non-heating appliances and grounding plug
	User's guide	Operating instructions