1.1.5 OSM TP62

Possible Attachments

The OSM TP62 allows attachment of up to 6 DTEs or network segments with TP connectors. By coupling an OSM via ports 7 and 8 it is possible to create optical bus and ring structures. The OSM TP62 can be linked with other OSM TP62, OSM TP22, OSM ITP53, OSM ITP62, and OSM BC08 modules via the optical ports.

The OSM TP62 also has eight digital inputs. The states of the inputs are available in a management information base (MIB) and can be read using an SNMP get request. Depending on the configuration of the device, changes at these inputs can also trigger the sending of E-mails, SNMP traps and/or entries in the log of the OSM. The use of this function is described in the OSM/ESM Network Management User Manual /1/.



Figure 5: OSM TP62

Properties of the OSM TP62	
Electrical ports	6 x 10/100 Mbps autonegotiation/autocrossover ports TP connectors (RJ-45 jacks)
Optical ports	2 x 100 Mbps FO ports (full duplex) BFOC sockets
Maximum distance between two ESMs	3000 m (multimode graded-index fiber)
Maximum ring span with 50 OSMs	150 km
Digital Inputs	8 x 24 V dc

Note

Industrial Ethernet OSM TP62 is available in two versions:

- OSM TP62 with eight digital inputs:
  The eight digital inputs are connected over two plug-in 6-pin terminal blocks on the top of the device. To display the status of these inputs using the 8 device LEDs, there is an additional display mode known as the "Input Status" that is selected using a third mode LED.
- OSM TP62 without digital inputs:
  There are no digital inputs and the "Input Status" display mode is not available. The operating states are displayed by 2 mode LEDs.

Consignment / Order Numbers	
Consignment	- SIMATIC NET Industrial Ethernet OSM/ESM - Fittings for 19" cubicle installation/wall mounting - 6-pin plug-in terminal block for power supply and signaling contact - One to two 6-pin plug-in terminal blocks for OSMs/ESMs with digital inputs - Documentation on the CD - Product information bulletin
Order number:	
Industrial Ethernet OSM ITP62 with digital inputs	6GK1105-2AA10
Industrial Ethernet OSM ITP62 without digital inputs	6GK1105-2AA00
Industrial Ethernet OSM ITP62-LD with digital inputs	6GK1105-2AC10
Industrial Ethernet OSM ITP62-LD without digital inputs	6GK1105-2AC00
Industrial Ethernet OSM ITP53 with digital inputs	6GK1105-2AD10
Industrial Ethernet OSM ITP53 without digital inputs	6GK1105-2AD00
Industrial Ethernet OSM ITP80 with digital inputs	6GK1105-3AA10
Industrial Ethernet OSM ITP80 without digital inputs	6GK1105-3AA00
Industrial Ethernet OSM TP62 with digital inputs	6GK1105-2AB10
Industrial Ethernet OSM TP62 without digital inputs	6GK1105-2AB00
Industrial Ethernet OSM TP80 with digital inputs	6GK1105-3AB10
Industrial Ethernet OSM TP80 without digital inputs	6GK1105-3AB00
Industrial Ethernet OSM TP22 with digital inputs	6GK1105-2AE00
Industrial Ethernet OSM TP40 with digital inputs	6GK1105-3AC00
Industrial Ethernet OSM BC08 with digital inputs	6GK1105-4AA00