

Product type designation

TIM 42

SINAUT ST7, TIM 42 COMMUNICATIONS PROCESSOR FOR SIMATIC S7-300/S7-400 WITH MPI INTERFACE WITH RS232/RS485 INTERFACE FOR EXT. MODEM/RADIO DEVICE WITH INT. MODEM MD2 FOR DEDICATED LINES



Transmission rate

Transfer rate

- acc. to RS 232

50 ... 38400 bit/s

Interfaces

Number of interfaces / acc. to Industrial Ethernet

0

Type of electrical connection

- for power supply

4-pole terminal block

Supply voltage, current consumption, power loss

Supply voltage

24 V

Supply voltage / external / at DC / Rated value

24 V

Consumed current

- from backplane bus / at DC / at 5 V / typical
- from backplane bus / at DC / at 24 V / maximum

0.06 A

0.06 A

Power loss [W]

12.3 W

Permitted ambient conditions

Ambient temperature

<ul style="list-style-type: none"> • during operation 	0 ... 60 °C
<ul style="list-style-type: none"> • during storage 	-40 ... +70 °C
<ul style="list-style-type: none"> • during transport 	-40 ... +70 °C
Protection class IP	IP20

Design, dimensions and weight

Module format	Compact module S7-300 double width
Width	80 mm
Height	125 mm
Depth	120 mm
Net weight	0.3 kg

Performance data / BACnet

Storage capacity / of S7 CPU RAM / required	20 Kibyte
---	-----------

Performance data / telecontrol

Suitability for use	
<ul style="list-style-type: none"> • Node station 	Yes
<ul style="list-style-type: none"> • substation 	Yes
<ul style="list-style-type: none"> • TIM control center 	Yes
Protocol / is supported	
<ul style="list-style-type: none"> • TCP/IP 	No
<ul style="list-style-type: none"> • SINAUT ST1 protocol 	Yes
<ul style="list-style-type: none"> • SINAUT ST7 protocol 	Yes
Transmission format	
<ul style="list-style-type: none"> • for SINAUT ST1 protocol with polling / 11 bit 	Yes
<ul style="list-style-type: none"> • for SINAUT ST1 protocol with spontaneous / 10-bit or 11-bit 	Yes
<ul style="list-style-type: none"> • for SINAUT ST7 protocol with multi-master polling / 10-bit 	Yes
<ul style="list-style-type: none"> • for SINAUT ST7 protocol with polling or spontaneous / 10-bit or 11-bit 	Yes
Operating mode for scanning of data transmission	
<ul style="list-style-type: none"> • with dedicated line/radio link / with SINAUT ST1 protocol 	Polling, polling with time slot procedure
<ul style="list-style-type: none"> • with dedicated line/radio link / with SINAUT ST7 protocol 	Polling, polling with time slot procedure, multi-master polling with time slot procedure
<ul style="list-style-type: none"> • with dial-up network / with SINAUT ST1 protocol 	spontaneous
<ul style="list-style-type: none"> • with dial-up network / with SINAUT ST7 protocol 	spontaneous
Configuration software	
<ul style="list-style-type: none"> • for CPU configuring / required / SINAUT TD7 block library for CPU 	Yes

- for PG configuring / required / SINAUT ST7 configuration software for PG

Yes

Accessories

Further Information / Internet Links

Internet-Link

- to website: Selector SIMATIC NET SELECTION TOOL
- to website: Industrial communication
- to website: Industry Mall
- to website: Information and Download Center
- to website: Image database
- to website: CAx Download Manager
- to website: Industry Online Support

<http://www.siemens.com/snst>

<http://www.siemens.com/simatic-net>

<https://mall.industry.siemens.com>

<http://www.siemens.com/industry/infocenter>

<http://automation.siemens.com/bilddb>

<http://www.siemens.com/cax>

<https://support.industry.siemens.com>

Security information

Security information

Siemens provides products and solutions with industrial security functions that support the secure operation of plants, solutions, machines, equipment and/or networks. They are important components in a holistic industrial security concept. With this in mind, Siemens' products and solutions undergo continuous development. Siemens recommends strongly that you regularly check for product updates. For the secure operation of Siemens products and solutions, it is necessary to take suitable preventive action (e.g. cell protection concept) and integrate each component into a holistic, state-of-the-art industrial security concept. Third-party products that may be in use should also be considered. For more information about industrial security, visit <http://www.siemens.com/industrialsecurity>. To stay informed about product updates as they occur, sign up for a product-specific newsletter. For more information, visit <http://support.automation.siemens.com>. (V3.4)

last modified:

08/18/2017