## SIEMENS

## Data sheet

## 6AG1543-1MX00-7XE0

## product type designation



SIPLUS TIM 1531 IRC based on 6GK7543-1MX00-0XE0 with conformal coating, -40...+70 °C, communications module for SIMATIC S7-1500, S7-400, S7-300 with SINAUT ST7 with three RJ45 interfaces for communication via IP-based networks (WAN / LAN) and an RS-232/RS-485 interface for Communications via classic wide area networks

Figure similar

transfer rate	
transfer rate	
at the 1st interface	10 1000 Mbit/s
at the 2nd interface	10 100 Mbit/s
• at interface 3	10 100 Mbit/s
<ul> <li>according to RS 232</li> </ul>	300 115200 bit/s
interfaces	
number of interfaces / according to Industrial Ethernet	3
number of electrical connections	
<ul> <li>for external data transmission / according to RS 232</li> </ul>	1
<ul> <li>for power supply</li> </ul>	1
number of slots	
<ul> <li>for memory cards</li> </ul>	1
type of electrical connection	
<ul> <li>of Industrial Ethernet interface</li> </ul>	RJ45 port
type of electrical connection	
<ul> <li>at interface 1 / for external data transmission</li> </ul>	9 pin Sub-D-connector, RS232 switchable to RS485
<ul> <li>for power supply</li> </ul>	2-pole plugable terminal block
slot version	
<ul> <li>of the memory card</li> </ul>	SD 1.0, SD 1.1, SDHC, Siemens SMC
storage capacity / of the memory card / maximum	32 Gibyte
supply voltage, current consumption, power loss	
type of voltage / of the supply voltage	DC
supply voltage	24 V
supply voltage	20.4 28.8 V
supply voltage / external / at DC / rated value	24 V
supply voltage / external / at DC / rated value	20.4 28.8 V
consumed current	
<ul> <li>from external supply voltage / at DC / at 24 V / typical</li> </ul>	0.15 A
<ul> <li>from external supply voltage / at DC / at 24 V / maximum</li> </ul>	0.3 A
power loss [W] / with external supply voltage / at 24 V DC	
• in update mode / typical	3.9 W
<ul> <li>in communication mode / typical</li> </ul>	3.9 W
product extension / optional / backup battery	No
ambient conditions	
ambient temperature	
<ul> <li>for vertical installation / during operation</li> </ul>	-40 +50 °C
<ul> <li>for horizontally arranged busbars / during operation</li> </ul>	-40 +70 °C

SIPLUS TIM 1531 IRC

	40
during storage	-40 +70 °C
during transport	-40 +70 °C
installation altitude / at height above sea level / maximum ambient condition / relating to ambient temperature - air pressure - installation altitude	5000 m Tmin Tmax at 1 140 hPa 795 hPa (-1 000 m +2 000 m) // Tmin (Tmax - 10 K) at 795 hPa 658 hPa (+2 000 m +3 500 m) // Tmin (Tmax - 20 K) at 658 hPa 540 hPa (+3 500 m +5 000 m)
relative humidity	
with condensation / according to IEC 60068-2-38 / maximum	100 %; RH including condensation/frost (no commissioning when condensation is present), horizontal installation
chemical resistance / to commercially available cooling lubricants	Yes; incl. airborne diesel and oil droplets
resistance to biologically active substances	
• conformity according to EN 60721-3-3	Yes; Class 3B2 mold and fungal spores (excluding fauna), Class 3B3 on request
<ul> <li>conformity according to EN 60721-3-6</li> </ul>	Yes; Class 6B2 mold, fungal and dry rot spores (excluding fauna)
<ul> <li>resistance to chemically active substances</li> <li>conformity according to EN 60721-3-3</li> </ul>	Yes; Class 3C4 (RH < 75 %) incl. salt spray in accordance with EN 60068-2-52 (Severity 3). The supplied plug covers must remain in place on the unused interfaces during operation.
<ul> <li>conformity according to EN 60721-3-6</li> </ul>	Yes
resistance to mechanically active substances	
<ul> <li>conformity according to EN 60721-3-3</li> </ul>	Yes; Class 3S4 incl. sand, dust. The supplied plug covers must remain in place over the unused interfaces during operation.
<ul> <li>conformity according to EN 60721-3-6</li> </ul>	Yes; Class 6S3 incl. sand, dust. The supplied plug covers must remain in place over the unused interfaces during operation.
coating / for equipped printed circuit board / according to EN 61086	Yes; Class 2 for high availability
type of coating / protection against pollution according to EN 60664-3	Yes; Protection of the type 1
type of test / of the coating / according to MIL-I-46058C	Yes; Coating discoloration during service life possible
product conformity / of the coating / Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies according to IPC-CC-830A	Yes; Conformal coating, class A
protection class IP	IP20
design, dimensions and weights	
module format	Compact module S7-1500 double-wide
	Compact module S7-1500 double-wide 70 mm
module format	
module format width	70 mm
module format width height	70 mm 147 mm
module format width height depth	70 mm 147 mm 129 mm
module format width height depth net weight	70 mm 147 mm 129 mm
module format width height depth net weight fastening method	70 mm 147 mm 129 mm 0.525 kg
module format         width         height         depth         net weight         fastening method         • 35 mm top hat DIN rail mounting	70 mm 147 mm 129 mm 0.525 kg No
module format         width         height         depth         net weight         fastening method         • 35 mm top hat DIN rail mounting         • S7-300 rail mounting	70 mm 147 mm 129 mm 0.525 kg No No Yes
module format         width         height         depth         net weight         fastening method         • 35 mm top hat DIN rail mounting         • \$7-300 rail mounting         • \$7-1500 rail mounting	70 mm 147 mm 129 mm 0.525 kg No No Yes
module format         width         height         depth         net weight         fastening method         • 35 mm top hat DIN rail mounting         • S7-300 rail mounting         • S7-1500 rail mounting         product features, product functions, product components / ge	70 mm 147 mm 129 mm 0.525 kg No No Yes
module format         width         height         depth         net weight         fastening method         • 35 mm top hat DIN rail mounting         • S7-300 rail mounting         • S7-1500 rail mounting         product features, product functions, product components / ge         product function	70 mm 147 mm 129 mm 0.525 kg No No Yes neral
module format         width         height         depth         net weight         fastening method         • 35 mm top hat DIN rail mounting         • S7-300 rail mounting         • S7-1500 rail mounting         product features, product functions, product components / ge         product function         • DynDNS client	70 mm 147 mm 129 mm 0.525 kg No No Yes neral
module format         width         height         depth         net weight         fastening method         • 35 mm top hat DIN rail mounting         • S7-300 rail mounting         • S7-1500 rail mounting         product features, product functions, product components / ge         product function         • DynDNS client         number of units	70 mm         147 mm         129 mm         0.525 kg         No         No         Yes         neral         No
module format         width         height         depth         net weight         fastening method         • 35 mm top hat DIN rail mounting         • S7-300 rail mounting         • S7-1500 rail mounting         product features, product functions, product components / ge         product function         • DynDNS client         number of units         • note	70 mm         147 mm         129 mm         0.525 kg         No         No         Yes         neral         No
module format         width         height         depth         net weight         fastening method         • 35 mm top hat DIN rail mounting         • S7-300 rail mounting         • S7-1500 rail mounting         product features, product functions, product components / ge         product function         • DynDNS client         number of units         • note         wire length	70 mm         147 mm         129 mm         0.525 kg         No         No         Yes         neral         No         No         Number of TIM per S7-1500: 1
module format         width         height         depth         net weight         fastening method         • 35 mm top hat DIN rail mounting         • S7-300 rail mounting         • S7-1500 rail mounting         product features, product functions, product components / ge         product function         • DynDNS client         number of units         • note         wire length         • with RS 232 interface / maximum	70 mm         147 mm         129 mm         0.525 kg         No         No         Yes         neral         No         Number of TIM per S7-1500: 1         6 m
module format         width         height         depth         net weight         fastening method         • 35 mm top hat DIN rail mounting         • S7-300 rail mounting         • S7-1500 rail mounting         product features, product functions, product components / ge         product function         • DynDNS client         number of units         • note         wire length         • with RS 232 interface / maximum         • with RS 485 interface / maximum	70 mm         147 mm         129 mm         0.525 kg         No         No         Yes         neral         No         Number of TIM per S7-1500: 1         6 m
module format         width         height         depth         net weight         fastening method         • 35 mm top hat DIN rail mounting         • S7-300 rail mounting         • S7-1500 rail mounting         product features, product functions, product components / ge         product function         • DynDNS client         number of units         • note         with RS 232 interface / maximum         • with RS 485 interface / maximum         performance data / S7 communication	70 mm         147 mm         129 mm         0.525 kg         No         No         Yes         neral         No         Number of TIM per S7-1500: 1         6 m
module format         width         height         depth         net weight         fastening method         • 35 mm top hat DIN rail mounting         • S7-300 rail mounting         • S7-1500 rail mounting         product features, product functions, product components / ge         product function         • DynDNS client         number of units         • note         wire length         • with RS 232 interface / maximum         • with RS 485 interface / maximum         performance data / S7 communication	70 mm         147 mm         129 mm         0.525 kg         No         No         Yes         neral         No         No         Number of TIM per S7-1500: 1         6 m         30 m
module format         width         height         depth         net weight         fastening method         • 35 mm top hat DIN rail mounting         • S7-300 rail mounting         • S7-1500 rail mounting         product features, product functions, product components / ge         product function         • DynDNS client         number of units         • note         wire length         • with RS 232 interface / maximum         • with RS 485 interface / maximum         performance data / S7 communication         number of possible connections / for S7 communication	70 mm         147 mm         129 mm         0.525 kg         No         No         Yes         neral         No         Number of TIM per S7-1500: 1         6 m         30 m         132; only via LAN
module format         width         height         depth         net weight         fastening method         • 35 mm top hat DIN rail mounting         • S7-300 rail mounting         • S7-1500 rail mounting         product features, product functions, product components / ge         product function         • DynDNS client         number of units         • note         wire length         • with RS 232 interface / maximum         • with RS 485 interface / maximum         performance data / S7 communication         number of possible connections / for S7 communication         • with PG connections / maximum	70 mm         147 mm         129 mm         0.525 kg         No         No         Yes         neral         No         Number of TIM per S7-1500: 1         6 m         30 m         132; only via LAN         4
module format         width         height         depth         net weight         fastening method         • 35 mm top hat DIN rail mounting         • S7-300 rail mounting         • S7-1500 rail mounting         product features, product functions, product components / ge         product function         • DynDNS client         number of units         • note         with RS 232 interface / maximum         • with RS 485 interface / maximum         performance data / S7 communication         number of possible connections / for S7 communication         • with PG connections / maximum         • with PG/OP connections / maximum	70 mm         147 mm         129 mm         0.525 kg         No         No         Yes         neral         No         Number of TIM per S7-1500: 1         6 m         30 m         132; only via LAN         4         4
module format         width         height         depth         net weight         fastening method         • 35 mm top hat DIN rail mounting         • S7-300 rail mounting         • S7-1500 rail mounting         product features, product functions, product components / ge         product function         • DynDNS client         number of units         • note         with RS 232 interface / maximum         performance data / S7 communication         number of possible connections / for S7 communication         • with PG connections / maximum         • with PG/OP connections / maximum         • with OP connections / maximum	70 mm         147 mm         129 mm         0.525 kg         No         No         Yes         neral         No         Number of TIM per S7-1500: 1         6 m         30 m         132; only via LAN         4         4
module format         width         height         depth         net weight         fastening method         • 35 mm top hat DIN rail mounting         • S7-300 rail mounting         • S7-1500 rail mounting <b>product features, product functions, product components / ge</b> product function         • DynDNS client         number of units         • note         wire length         • with RS 232 interface / maximum         performance data / S7 communication         number of possible connections / for S7 communication         • maximum         • with PG connections / maximum         • with PG/OP connections / maximum         • with OP connections / maximum         • with OP connections / maximum	70 mm         147 mm         129 mm         0.525 kg         No         No         Yes         neral         No         Number of TIM per S7-1500: 1         6 m         30 m         132; only via LAN         4         4
module format         width         height         depth         net weight         fastening method         • 35 mm top hat DIN rail mounting         • S7-300 rail mounting         • S7-1500 rail mounting <b>product features, product functions, product components / ge</b> product function         • DynDNS client         number of units         • note         wire length         • with RS 232 interface / maximum         • with RS 485 interface / maximum         • with PG connections / for S7 communication         number of possible connections / for S7 communication         • with PG connections / maximum         • with PG/OP connections / maximum         • with OP connections / maximum         • with OP connections / maximum         • of SIMATIC communication / as server	70 mm         147 mm         129 mm         0.525 kg         No         No         Yes         neral         No         Number of TIM per S7-1500: 1         6 m         30 m         132; only via LAN         4         4         Yes
module format         width         height         depth         net weight         fastening method         • 35 mm top hat DIN rail mounting         • S7-300 rail mounting         • S7-1500 rail mounting         • S7-1500 rail mounting         product features, product functions, product components / ge         product function         • DynDNS client         number of units         • note         wire length         • with RS 232 interface / maximum         • with RS 485 interface / maximum         • performance data / S7 communication         number of possible connections / for S7 communication         • maximum         • with PG connections / maximum         • with PG/OP connections / maximum         • with OP connections / maximum         • of SIMATIC communication / as server         • SINAUT ST7 via S7 communication	70 mm         147 mm         129 mm         0.525 kg         No         No         Yes         neral         No         Number of TIM per S7-1500: 1         6 m         30 m         132; only via LAN         4         4         Yes         Yes
module format         width         height         depth         net weight         fastening method         • 35 mm top hat DIN rail mounting         • S7-300 rail mounting         • S7-1500 rail mounting         product features, product functions, product components / ge         product function         • DynDNS client         number of units         • note         wire length         • with RS 232 interface / maximum         • with RS 485 interface / maximum         • with RS 485 interface / maximum         • with PG connections / for S7 communication         number of possible connections / for S7 communication         • maximum         • with PG connections / maximum         • with OP connections / maximum         • with OP connections / maximum         • with OP connections / maximum         • of SIMATIC communication / as server         • SINAUT ST7 via S7 communication         • PG/OP communication	70 mm         147 mm         129 mm         0.525 kg         No         No         Yes         neral         No         Number of TIM per S7-1500: 1         6 m         30 m         132; only via LAN         4         4         Yes         Yes

as server / by means of UTTD / maximum	2
<ul> <li>as server / by means of HTTP / maximum</li> <li>as server / by means of HTTPS / maximum</li> </ul>	2 2: 2 per Ethernet interface
<ul> <li>as server / by means of HTTPS / maximum</li> <li>as small client / maximum</li> </ul>	2; 2 per Ethernet interface
as email client / maximum	1
performance data / telecontrol	
suitability for use	Vaa
node station	Yes
substation	Yes
TIM control center	Yes
control center connection	Systems with ST7, DNP3 and IEC 60870-5-101/104 protocol
by means of a permanent connection	Systems with ST7, DNP3 and IEC 60870-5-101/104 protocol
<ul> <li>protocol / is supported</li> <li>DNP3</li> </ul>	Yes
• ENF3 • IEC 60870-5	Yes
SINAUT ST1 protocol	No Yes
SINAUT ST7 protocol     Modbus RTU	No
product function / data buffering if connection is aborted	Yes; 100000 data telegrams (ST7) or 250000 events (IEC 60870-5 / DNP3)
number of data points per station / maximum	3000
number of DNP3 masters • for Ethernet / maximum	4
	4
with RS 232 interface / maximum	4
product feature / buffered message frame memory	Yes
transmission format	Voc
<ul> <li>for SINAUT ST7 protocol with polling or spontaneous / 10-bit or 11-bit</li> </ul>	Yes
operating mode for scanning of data transmission	
<ul> <li>with dedicated line/radio link / with SINAUT ST7 protocol</li> </ul>	Polling, polling with time slot procedure
<ul> <li>with dial-up network / with SINAUT ST7 protocol</li> </ul>	spontaneous
hamming distance	
for SINAUT ST7 protocol	4
performance data / teleservice	
diagnostics function / online diagnostics with SIMATIC STEP 7	Yes
product function	
product function • program download with SIMATIC STEP 7	Yes
product function <ul> <li>program download with SIMATIC STEP 7</li> <li>remote firmware update</li> </ul>	Yes Yes
product function <ul> <li>program download with SIMATIC STEP 7</li> <li>remote firmware update</li> <li>remote configuration</li> </ul>	Yes
product function • program download with SIMATIC STEP 7 • remote firmware update • remote configuration product functions / management, configuration, engineering	Yes Yes
product function <ul> <li>program download with SIMATIC STEP 7</li> <li>remote firmware update</li> <li>remote configuration</li> </ul>	Yes Yes
product function    program download with SIMATIC STEP 7  remote firmware update  remote configuration  product functions / management, configuration, engineering  product function / MIB support  protocol / is supported	Yes Yes Yes
product function • program download with SIMATIC STEP 7 • remote firmware update • remote configuration product functions / management, configuration, engineering product function / MIB support protocol / is supported • SNMP v1	Yes Yes Yes Yes
product function • program download with SIMATIC STEP 7 • remote firmware update • remote configuration product functions / management, configuration, engineering product function / MIB support protocol / is supported • SNMP v1 • SNMP v3	Yes Yes Yes Yes Yes
product function • program download with SIMATIC STEP 7 • remote firmware update • remote configuration product functions / management, configuration, engineering product function / MIB support protocol / is supported • SNMP v1 • SNMP v3 • DCP	Yes Yes Yes Yes Yes Yes
product function	Yes Yes Yes Yes Yes
product function    program download with SIMATIC STEP 7  remote firmware update  remote configuration  product functions / management, configuration, engineering  product function / MIB support  protocol / is supported  SNMP v1  SNMP v3  DCP  LLDP  configuration software	Yes Yes Yes Yes Yes Yes Yes Yes
product function • program download with SIMATIC STEP 7 • remote firmware update • remote configuration product functions / management, configuration, engineering product function / MIB support protocol / is supported • SNMP v1 • SNMP v3 • DCP • LLDP configuration software • required	Yes Yes Yes Yes Yes Yes Yes Yes STEP 7 Professional V14 SP1 (TIA Portal) or higher
product function    product function   product functions / management, configuration, engineering  product function / MIB support  protocol / is supported  SNMP v1  SNMP v3  DCP  LLDP  configuration software  required  for CPU configuring / required / SINAUT TD7 block library	Yes Yes Yes Yes Yes Yes Yes Yes
product function • program download with SIMATIC STEP 7 • remote firmware update • remote configuration product functions / management, configuration, engineering product function / MIB support protocol / is supported • SNMP v1 • SNMP v3 • DCP • LLDP configuration software • required	Yes Yes Yes Yes Yes Yes Yes Yes STEP 7 Professional V14 SP1 (TIA Portal) or higher
product function  product function  program download with SIMATIC STEP 7  remote firmware update  remote configuration  product functions / management, configuration, engineering  product function / MIB support  protocol / is supported  SNMP v1  SNMP v3  DCP  LLDP  configuration software  required  for CPU configuring / required / SINAUT TD7 block library for CPU  for PG configuring / required / SINAUT ST7 configuration	Yes Yes Yes Yes Yes Yes Yes Yes STEP 7 Professional V14 SP1 (TIA Portal) or higher No
product function   product function  program download with SIMATIC STEP 7  remote firmware update  remote configuration  product functions / management, configuration, engineering  product function / MIB support  protocol / is supported  SNMP v1  SNMP v1  SNMP v3  DCP  LLDP  configuration software  required  for CPU configuring / required / SINAUT TD7 block library for CPU  for PG configuring / required / SINAUT ST7 configuration	Yes Yes Yes Yes Yes Yes Yes Yes STEP 7 Professional V14 SP1 (TIA Portal) or higher No
product function • program download with SIMATIC STEP 7 • remote firmware update • remote configuration product functions / management, configuration, engineering product function / MIB support protocol / is supported • SNMP v1 • SNMP v3 • DCP • LLDP configuration software • required • for CPU configuring / required / SINAUT TD7 block library for CPU • for PG configuring / required / SINAUT ST7 configuration software for PG storage location / of TIM configuration data	Yes Yes Yes Yes Yes Yes Yes Yes STEP 7 Professional V14 SP1 (TIA Portal) or higher No
product function	Yes Yes Yes Yes Yes Yes Yes STEP 7 Professional V14 SP1 (TIA Portal) or higher No No Flash or SD card of the TIM 1531 IRC
product function	Yes Yes Yes Yes Yes Yes Yes STEP 7 Professional V14 SP1 (TIA Portal) or higher No Flash or SD card of the TIM 1531 IRC
product function	Yes Yes Yes Yes Yes Yes Yes Yes STEP 7 Professional V14 SP1 (TIA Portal) or higher No Flash or SD card of the TIM 1531 IRC
product function  program download with SIMATIC STEP 7  remote firmware update  remote configuration  product functions / management, configuration, engineering  product function / MIB support  protocol / is supported  SNMP v1  SNMP v1  SNMP v3  DCP  LLDP  configuration software  required  for CPU configuring / required / SINAUT TD7 block library for CPU  for PG configuring / required / SINAUT ST7 configuration software for PG  storage location / of TIM configuration data identification & maintenance function  I&M0 - device-specific information  I&M2 - installation date  I&M3 - comment	Yes Yes Yes Yes Yes Yes Yes Yes STEP 7 Professional V14 SP1 (TIA Portal) or higher No No Flash or SD card of the TIM 1531 IRC Yes Yes
product function	Yes Yes Yes Yes Yes Yes Yes STEP 7 Professional V14 SP1 (TIA Portal) or higher No No Flash or SD card of the TIM 1531 IRC Yes Yes Yes
product function	Yes Yes Yes Yes Yes Yes Yes Yes STEP 7 Professional V14 SP1 (TIA Portal) or higher No No Flash or SD card of the TIM 1531 IRC Yes Yes
product function         • program download with SIMATIC STEP 7         • remote firmware update         • remote configuration         product functions / management, configuration, engineering         product function / MIB support         protocol / is supported         • SNMP v1         • SNMP v3         • DCP         • LLDP         configuration software         • required         • for CPU configuring / required / SINAUT TD7 block library for CPU         • for PG configuring / required / SINAUT ST7 configuration software for PG         storage location / of TIM configuration data         identification & maintenance function         • I&M0 - device-specific information         • I&M1 - higher level designation/location designation         • I&M2 - installation date         • I&M3 - comment         product functions / diagnostics         product function / web-based diagnostics	Yes Yes Yes Yes Yes Yes Yes Yes STEP 7 Professional V14 SP1 (TIA Portal) or higher No No Flash or SD card of the TIM 1531 IRC Yes Yes Yes Yes Yes
product function         • program download with SIMATIC STEP 7         • remote firmware update         • remote configuration         product functions / management, configuration, engineering         product function / MIB support         protocol / is supported         • SNMP v1         • SNMP v3         • DCP         • LLDP         configuration software         • required         • for CPU configuring / required / SINAUT TD7 block library for CPU         • for PG configuring / required / SINAUT ST7 configuration software for PG         storage location / of TIM configuration data         identification & maintenance function         • I&M0 - device-specific information         • I&M1 - higher level designation/location designation         • I&M2 - installation date         • I&M3 - comment         product functions / diagnostics         product function / web-based diagnostics         product function / web-based diagnostics         product function / note	Yes Yes Yes Yes Yes Yes Yes STEP 7 Professional V14 SP1 (TIA Portal) or higher No STEP 7 Professional V14 SP1 (TIA Portal) or higher No Flash or SD card of the TIM 1531 IRC Yes Yes Yes Yes
product function         • program download with SIMATIC STEP 7         • remote firmware update         • remote configuration         product functions / management, configuration, engineering         product function / MIB support         protocol / is supported         • SNMP v1         • SNMP v3         • DCP         • LLDP         configuration software         • required         • for CPU configuring / required / SINAUT TD7 block library for CPU         • for PG configuring / required / SINAUT ST7 configuration software for PG         storage location / of TIM configuration data         identification & maintenance function         • I&M0 - device-specific information         • I&M1 - higher level designation/location designation         • I&M2 - installation date         • I&M3 - comment         product functions / diagnostics         product function / web-based diagnostics	Yes Yes Yes Yes Yes Yes Yes Yes STEP 7 Professional V14 SP1 (TIA Portal) or higher No No Flash or SD card of the TIM 1531 IRC Yes Yes Yes Yes Yes

e static IP routing IP+6	Voc
static IP routing IPv6	Yes
dynamic IP routing	No
dynamic IP routing IPv6	No
protocol / is supported	
• RIP v1	No
• RIPv2	No
RIPnG for IPv6	No
OSPFv2	No
OSPFv3 for IPv6	No
• VRRP	No
VRRP for IPv6	No
• BGP	No
• PPP	No
PPoE via DSL	No
product functions / security	
product function	
<ul> <li>MSC client via GPRS modem with MSC capability</li> </ul>	Yes
protocol	
<ul> <li>is supported / MSC protocol</li> </ul>	Yes
<ul> <li>with Virtual Private Network MSC / is supported</li> </ul>	TCP/IP
key length / for MSC / with Virtual Private Network	128 bit
number of possible connections	
<ul> <li>as MSC client / with VPN connection</li> </ul>	1
<ul> <li>as MSC server / with VPN connection</li> </ul>	127
product functions / time	
product function / SICLOCK support	No
product function / pass on time synchronization	Yes
protocol / is supported	
• NTP	Yes
NTP (secure)	Yes
product component / hardware real time clock	No
product feature / hardware real time clock w. battery backup	No
time synchronization	
from NTP-server	Yes
• from GPS-signal	No
from control center	Yes
from mobile network provider	No
PC	No
manual setting	No
product functions / position detection	
product function	
position detection with GPS	No
<ul> <li>pass on position data</li> </ul>	No
further information / internet links	
internet link	
<ul> <li>to web page: selection aid TIA Selection Tool</li> </ul>	http://www.siemens.com/snst
<ul> <li>to website: Industrial communication</li> </ul>	http://www.siemens.com/simatic-net
• to website: Industry Mall	https://mall.industry.siemens.com
<ul> <li>to website: Information and Download Center</li> </ul>	http://www.siemens.com/industry/infocenter
<ul> <li>to website: Image database</li> </ul>	http://automation.siemens.com/bilddb
<ul> <li>to website: CAx-Download-Manager</li> </ul>	http://www.siemens.com/cax
to website: Industry Online Support	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)

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