# SIEMENS

### Data sheet

#### Product type designation

## 6GK7443-1EX41-0XE0



#### CP 443-1 Advanced

SIMATIC NET, CP 443-1 ADVANCED COMMUNICATION PROCESSOR FOR CONNECTING SIMATIC S7-400 CPU UP TO V5.0 TO IND. ETHERNET VIA PROFINET IO-CONTROLLER AND PROFINET CBA, ISO,TCP/IP SEND/RECEIVE A. FETCH/WRITE, UDP, TCP, S7-COMMUNICATION, W. AND W/O RFC1006, MULTICAST HTML DIAGNOS.,FTP CLIENT/SERVER SNMP, DHCP, E-MAIL, WWW, 10/100 MBIT, SWITCH CONNECTION 4XRJ45

Transmission rate	
Transfer rate	
• at the 1st interface	10 100 Mbit/s
later for a se	
Interfaces	
Number of interfaces / acc. to Industrial Ethernet	4
Number of electrical connections	
• at the 1st interface / acc. to Industrial Ethernet	4
Type of electrical connection	
• at the 1st interface / acc. to Industrial Ethernet	RJ45 port
design of the removable storage / C-PLUG	Yes
Supply voltage, current consumption, power loss	
	DC
Type of voltage / of the supply voltage	DC
Supply voltage / 1 / from backplane bus	5 V
Supply voltage	5 V
Relative symmetrical tolerance / at DC	
● at 5 V	5 %
Consumed current	

• from backplane bus / at DC / at 5 V / typical	1.8 A
Power loss [W]	7.25 W
Domitted empiont conditions	
Permitted ambient conditions Ambient temperature	
during operation	0 60 °C
	-40 +70 °C
during storage	
during transport	-40 +70 °C
Relative humidity / at 25 °C / without condensation /	95 %
during operation / maximum	
Protection class IP	IP20
Design, dimensions and weight	
Module format	Compact module S7-400 single width
Width	25 mm
Height	290 mm
Depth	210 mm
Net weight	0.7 kg
Product properties, functions, components / genera	I
Number of units	
<ul> <li>per CPU / maximum</li> </ul>	14
Note	max. 4 as PN IO ctrl.
Performance data / open communication	
Number of possible connections / for open	64
communication / by means of SEND/RECEIVE	
blocks / maximum	
Amount of data	
<ul> <li>as user data per ISO connection / for open</li> </ul>	8 Kibyte
communication / by means of SEND/RECEIVE	
blocks / maximum	
<ul> <li>as user data per ISO on TCP connection / for</li> </ul>	8 Kibyte
open communication / by means of	
SEND/RECEIVE blocks / maximum	
as user data per TCP connection / for open	8 Kibyte
communication / by means of SEND/RECEIVE blocks / maximum	
	2 Kibyte
<ul> <li>as user data per UDP connection / for open IE communication / by means of SEND/RECEIVE</li> </ul>	
blocks / maximum	
Number of possible connections / for open	
communication	
<ul> <li>by means of T blocks / maximum</li> </ul>	64

• as user data per ISO on TCP connection / for open communication / by means of T blocks / maximum

1452 byte

Performance data / S7 communication         Number of possible connections / for S7 communication         • with PG connections / maximum         • with PG connections / maximum         • with PC connections / maximum         • with PC connections / maximum         • with PC connections / maximum         • Note         Performance data / multi-protocol mode         Number of active connections / with multi-protocol mode         Performance data / Infunctors         Number of possible connections         • as client / by means of FTP / maximum         • as elient / by means of FTP / maximum         • as e-mail client / maximum         • as a server / by means of FTP / maximum         • as rAM         • as rAM         • additionally buffered as RAM via central backup         • additionally buffered as RAM via central b	maximum	
communication128maximum128with PG connections / maximum30Number of active connections / with multi-protocol128Performance data / multi-protocol mode128Number of active connections / with multi-protocol128Number of active connections / with multi-protocol20node20Performance data / Tf unctoms20eas elient / by means of FTP / maximum10eas server / by means of FTP / maximum4eas enall client / maximum10eas enall client / maximum10eas enall client / maximum10eas flash memory file system30 Mibyteeas flash memory file system30 Mibyteeas flash memory file system100000eas flash memory file system122wimber of PNID devices / on PROFINET IO controller / usable / total125Number of PN IO RIT Edvices / on PROFINET IO controller / usable / total125Number of PN IO RIT Edvices / on PROFINET IO controller / usable / total4Anount of data e suer data for input variables / as PROFINET I Di controller / maximum8/kBytee suer data for input variables / as PROFINET I Di controller / maximum8/kBytee suer data for input variables / as PROFINET I Di controller / maximum8/kBytee suer data for input variables / as PROFINET I<	Performance data / S7 communication	
Institution     Instituti		
with PC connections / maximum         2           with OP connections / maximum         30           Note         when using several CPUs           Performance data / multi-protocol mode         128           Number of active connections / with multi-protocol mode         128           Performance data / T functions         20           • as client / by means of FTP / maximum         20           • as client / by means of FTP / maximum         10           • as e-mail client / maximum         1           • as e-mail client / maximum         1           Amount of data / as user data for email / maximum         20           • as e-mail client / maximum         1           • as e-mail client / maximum         30 Mibyte           • as e-mail client / maximum         1           • as e-mail client / maximum         10000           • as RAM         16 Mibyte           • additionally buffered as RAM via central backup battery         100000           Number of PN IO devices / on PROFINET IO controller         Yes           Number of PN IO RT devices / on PROFINET IO controller         Yes           <	communication	
with OP connections / maximum         30           • Note         when using several CPUs           Performance data / multi-protocol mode         128           Performance data / IT functions         128           Performance data / IT functions         20           • as client / by means of FTP / maximum         20           • as client / by means of FTP / maximum         10           • as server / by means of FTP / maximum         1           • as e-mail client / maximum         1           • as e-mail client / maximum         2 Kibyte           Storage capacity / of the user memory         30 Mibyte           • as flash memory file system         30 Mibyte           • as flash memory file system         100000           • additionally buffered as RAM via central backup battery         100000           Number of PN IO GriNET IO controller         Yes           Number of PN IO GriNET IO controller         Yes           Number of PN IO GriNET IO controller         Yes           Number of PN IO IO RT devices / on PROFINET IO controller         4           • as user data for input variables / as PROFINET /	• maximum	128
Invise     when using several CPUs       Performance data / multi-protocol mode     128       Number of active connections / with multi-protocol mode     128       Performance data / IT functions     20       eas client / by means of FTP / maximum     20       eas server / by means of FTP / maximum     20       eas server / by means of FTP / maximum     20       eas server / by means of FTP / maximum     20       eas server / by means of HTTP / maximum     20       eas server / by means of HTTP / maximum     20       eas server / by means of HTTP / maximum     20       eas server / by means of HTTP / maximum     20       eas server / by means of HTTP / maximum     20       eas e-mail client / maximum     21       Amount of data / as user data for email / maximum     2 Kibyte       Storage capacity / of the user memory     as flash memory file system     30 Mibyte       eas RAM     16 Mibyte       eas RAM     100000       eas RAM     100000       Performance data / PROFINET to controller     Yes       Number of PN IO devices / on PROFINET IO     125       controller / usable     Yes       Number of PN IO IRT devices / on PROFINET IO     0       controller / usable     Kibyte       Number of PN IO IRT devices / on PROFINET IO     0 <t< td=""><td><ul> <li>with PG connections / maximum</li> </ul></td><td>2</td></t<>	<ul> <li>with PG connections / maximum</li> </ul>	2
Performance data / multi-protocol mode       128         Number of active connections / with multi-protocol mode       128         Performance data / IT functions       20         • as client / by means of FTP / maximum       20         • as server / by means of FTP / maximum       10         • as server / by means of FTP / maximum       1         • as server / by means of HTTP / maximum       1         • as e-mail client / maximum       2 Kibyte         Storage capacity / of the user memory       • as flash memory file system         • as RAM       16 Mibyte         • as RAM       16 Mibyte         • as RAM       100000         • as RAM       100000         • as RAM       10 Mibyte         • as RAM       10 00000         cells       125         Performance data / PROFINET IO controller       Yes         Number of PN IO devices / on PROFINET IO       125         controller / usable       125         Number of PN IO IRT devices / on PROFINET IO       0         controller / usable       125         Number of PN IO IRT devices / on PROFINET IO       0 <td><ul> <li>with OP connections / maximum</li> </ul></td> <td>30</td>	<ul> <li>with OP connections / maximum</li> </ul>	30
Number of active connections / with multi-protocol mode       128         Performance data / IT functions       20         Number of possible connections       • as client / by means of FTP / maximum       20         • as server / by means of FTP / maximum       10       • as server / by means of HTTP / maximum         • as server / by means of HTTP / maximum       1       2         • as server / by means of HTTP / maximum       2       Kibyte         • as server / by means of HTTP / maximum       2       Kibyte         • as server / by means of HTTP / maximum       1       2         Amount of data / as user data for email / maximum       2       Kibyte         Storage capacity / of the user memory       •       as flash memory file system       30         • as RAM       16       Mibyte       •       100000         • additionally buffered as RAM via central backup battery       100000       100000         Performance data / PROFINET IO controller       Yes       Yes         Number of PN IO IRT devices / on PROFINET IO       125       125         Controller / usable       10       0       125         Number of PN IO IRT devices / an PROFINET IO       0       125         Amount of data       • as user data for input variables / as PROFINET IO       4	• Note	when using several CPUs
mode       Implementation         Performance data / IT functions       20         Number of possible connections       20         • as client / by means of FTP / maximum       20         • as server / by means of FTP / maximum       4         • as server / by means of HTTP / maximum       4         • as server / by means of HTTP / maximum       4         • as email client / maximum       2 Kibbte         Storage capacity / of the user memory       4         • as flash memory file system       30 Mibyte         • as flash memory file system       512 Kibbte         • as flash memory file system       512 Kibbte         • as diditionally buffered as RAM via central backup battery       100000         Number of Possible write cycles / of the flash memory cells       100000         Performance data / PROFINET IO controller       Yes         Number of PN IO Brd evices / on PROFINET IO controller / usable / total       125         Number of PN IO IRT devices / on PROFINET IO controller / usable / total       0         Amount of data       8 Kibyte         • as user data for input variables / as PROFINET IO controller / maximum       8 Kibyte         • as user data for input variables / as PROFINET IO controller / maximum       8 Kibyte         • as user data for input variables / as PROFINET IO cont	Performance data / multi-protocol mode	
Performance data / IT functions       20 <ul> <li>as client / by means of FTP / maximum</li> <li>as server / by means of HTP / maximum</li> <li>as server / by means of HTTP / maximum</li> <li>as server / by means of HTTP / maximum</li> <li>as server / by means of HTTP / maximum</li> <li>as server / by means of HTTP / maximum</li> <li>as e-mail client / maximum</li> <li>the as e-mail client / maximum</li> <li>as e-mail client / maximum</li> <li>the as user data for input variables / as PROFINET / per rack</li> <li>the as user data for input variables / as PROFINET / IO controller / maximum</li> <li>the as user data for input variables / as PROFINET / IO controller / maximum</li> <li>the as user data for input variables / as PROFINET / IO controller / maximum</li> <li>the as user data for input variables / as PROFINET / IO controller / maximum</li> <li>the as user data for input variables</li></ul>	Number of active connections / with multi-protocol	128
Number of possible connections     20       • as client / by means of FTP / maximum     10       • as server / by means of HTTP / maximum     10       • as server / by means of HTTP / maximum     4       • as server / by means of HTTP / maximum     4       • as server / by means of HTTP / maximum     4       • as server / by means of HTTP / maximum     4       • as server / by means of HTTP / maximum     4       • as e-mail client / maximum     1       Amount of data / as user data for email / maximum     2 Kibyte       Storage capacity / of the user memory     • as flash memory file system     30 Mibyte       • as RAM     16 Mibyte       • as RAM     16 Mibyte       • additionally buffered as RAM via central backup battery     100000       Number of possible write cycles / of the flash memory cells     100000       Performance data / PROFINET communication / as PN IO-Controller     Pres       Product function / PROFINET IO controller     Yes       Number of PN IO lexices / on PROFINET IO controller     125       Number of external PN IO lines / with PROFINET / per rack     0       Amount of data     • as user data for input variables / as PROFINET / IO controller / maximum     4       • as user data for input variables / as PROFINET IO controller / maximum     8 Kibyte       • as user data for input variables / as PROFINET IO controller	mode	
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<ul> <li>as server / by means of FTP / maximum</li> <li>as server / by means of FTP / maximum</li> <li>as server / by means of HTTP / maximum</li> <li>as server / by means of HTTP / maximum</li> <li>as server / by means of HTTP / maximum</li> <li>as server / by means of HTTP / maximum</li> <li>2 Kibyte</li> <li>Storage capacity / of the user memory</li> <li>as flash memory file system</li> <li>as flash memory file system</li> <li>as RAM</li> <li>16 Mibyte</li> <li>additionally buffered as RAM via central backup battery</li> <li>Number of possible write cycles / of the flash memory cells</li> <li>Performance data / PROFINET communication / as PN IO-Controller</li> <li>Performance data / PROFINET IO controller</li> <li>Yes</li> <li>Number of PN IO devices / on PROFINET IO controller</li> <li>Product function / PROFINET IO controller</li> <li>Number of PN IO lines / with PROFINET IO controller</li> <li>Number of external PN IO lines / with PROFINET IO controller</li> <li>Amount of data</li> <li>as user data for input variables / as PROFINET</li> <li>As user data for input variables / as PROFINET</li> <li>as user data for input variables / as PROFINET</li> <li>as user data for input variables / as PROFINET</li> <li>as user data for input variables / as PROFINET</li> <li>as user data for input variables / as PROFINET</li> <li>as user data for input variables / as PROFINET</li> <li>as user data for input variables / as PROFINET</li> <li>by the</li> </ul>	Number of possible connections	
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e as e-mail client / maximum         1           Amount of data / as user data for email / maximum         2 Kibyte           Storage capacity / of the user memory         30 Mibyte           • as flash memory file system         30 Mibyte           • as RAM         16 Mibyte           • additionally buffered as RAM via central backup battery         512 Kibyte           Number of possible write cycles / of the flash memory cells         100000           Performance data / PROFINET communication / as PN IO-Controller         Yes           Product function / PROFINET IO controller         Yes           Number of PN IO devices / on PROFINET IO controller         125           Number of PN IO lexices / on PROFINET IO controller         125           Number of PN IO IRT devices / on PROFINET IO controller         4           Per rack         4           Amount of data         8 Kibyte           • as user data for input variables / as PROFINET / per rack         8 Kibyte           • as user data for input variables / as PROFINET IO controller / maximum         8 Kibyte           • as user data for input variables / as PROFINET IO controller / maximum         8 Kibyte	<ul> <li>as server / by means of FTP / maximum</li> </ul>	10
Amount of data / as user data for email / maximum       2 Kibyte         Storage capacity / of the user memory       30 Mibyte         • as flash memory file system       30 Mibyte         • as RAM       16 Mibyte         • additionally buffered as RAM via central backup battery       512 Kibyte         Number of possible write cycles / of the flash memory cells       100000         Performance data / PROFINET communication / as PN IO-Controller       Yes         Number of PN IO devices / on PROFINET IO controller       Yes         Number of PN IO devices / on PROFINET IO controller       125         Ocntroller / usable / total       0         Number of PN IO IRT devices / on PROFINET IO controller       4         Per rack       4         Amount of data       • as user data for input variables / as PROFINET / IO controller / maximum         • as user data for input variables / as PROFINET IO controller / maximum       8 Kibyte         • as user data for input variables / as PROFINET IO controller / maximum       8 Kibyte	<ul> <li>as server / by means of HTTP / maximum</li> </ul>	4
Storage capacity / of the user memory       30 Mibyte         • as flash memory file system       30 Mibyte         • as RAM       16 Mibyte         • additionally buffered as RAM via central backup battery       512 Kibyte         Number of possible write cycles / of the flash memory cells       100000         Performance data / PROFINET communication / as PN IO-Controller       Yes         Number of PN IO devices / on PROFINET IO controller       Yes         Number of PN IO lRT devices / on PROFINET IO controller / usable / total       0         Number of PN IO IRT devices / on PROFINET IO controller / usable       0         Number of external PN IO lines / with PROFINET / per rack       4         Amount of data       • as user data for input variables / as PROFINET IO controller / maximum       8 Kibyte         • as user data for input variables / as PROFINET IO controller / maximum       8 Kibyte       1433 byte	<ul> <li>as e-mail client / maximum</li> </ul>	1
• as flash memory file system30 Mibyte• as RAM16 Mibyte• additionally buffered as RAM via central backup battery512 KibyteNumber of possible write cycles / of the flash memory cells100000Performance data / PROFINET communication / as PN IO-ControllerPerformance data / PROFINET IO controllerProduct function / PROFINET IO controllerYesNumber of PN IO devices / on PROFINET IO controller / usable / total125Number of PN IO IRT devices / on PROFINET IO controller / usable0Number of external PN IO lines / with PROFINET / per rack4Amount of data • as user data for input variables / as PROFINET IO controller / maximum8 Kibyte• as user data for input variables / as PROFINET IO controller / maximum8 Kibyte• as user data for input variables / as PROFINET IO controller / maximum8 Kibyte	Amount of data / as user data for email / maximum	2 Kibyte
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battery100000Number of possible write cycles / of the flash memory cells100000Performance data / PROFINET communication / as PN IO-ControllerPerformance data / PROFINET IO controllerProduct function / PROFINET IO controllerYesNumber of PN IO devices / on PROFINET IO controller / usable / total125Number of PN IO IRT devices / on PROFINET IO controller / usable0Number of external PN IO lines / with PROFINET / per rack4Amount of data8 Kibyte• as user data for input variables / as PROFINET IO controller / maximum8 Kibyte• as user data for input variables / as PROFINET IO controller / maximum8 Kibyte• as user data for input variables / as PROFINET IO controller / maximum1433 byte	• as RAM	16 Mibyte
cells       Performance data / PROFINET communication / as PN IO-Controller         Product function / PROFINET IO controller       Yes         Number of PN IO devices / on PROFINET IO controller / usable / total       125         Number of PN IO IRT devices / on PROFINET IO controller / usable       0         Number of PN IO IRT devices / on PROFINET IO controller / usable       0         Number of external PN IO lines / with PROFINET / per rack       4         Amount of data       suser data for input variables / as PROFINET IO controller / maximum         • as user data for input variables / as PROFINET IO controller / maximum       8 Kibyte         • as user data for input variables / as PROFINET IO controller / maximum       1433 byte		512 Kibyte
Performance data / PROFINET communication / as PN IO-Controller         Product function / PROFINET IO controller       Yes         Number of PN IO devices / on PROFINET IO controller / usable / total       125         Number of PN IO IRT devices / on PROFINET IO controller / usable       0         Number of PN IO IRT devices / on PROFINET IO controller / usable       0         Number of external PN IO lines / with PROFINET / per rack       4         Amount of data       • as user data for input variables / as PROFINET IO controller / maximum         • as user data for input variables / as PROFINET IO controller / maximum       8 Kibyte         • as user data for input variables / as PROFINET IO controller / maximum       1433 byte	Number of possible write cycles / of the flash memory	100000
Product function / PROFINET IO controller       Yes         Number of PN IO devices / on PROFINET IO       125         controller / usable / total       0         Number of PN IO IRT devices / on PROFINET IO       0         controller / usable       0         Number of external PN IO lines / with PROFINET / per rack       4         Amount of data       8 Kibyte         e as user data for input variables / as PROFINET       8 Kibyte         IO controller / maximum       8 Kibyte         e as user data for input variables / as PROFINET       1433 byte	cells	
Number of PN IO devices / on PROFINET IO controller / usable / total125Number of PN IO IRT devices / on PROFINET IO controller / usable0Number of external PN IO lines / with PROFINET / per rack4Amount of data4• as user data for input variables / as PROFINET IO controller / maximum8 Kibyte• as user data for input variables / as PROFINET IO controller / maximum8 Kibyte• as user data for input variables / as PROFINET IO controller / maximum1433 byte	Performance data / PROFINET communication / as	PN IO-Controller
controller / usable / totalANumber of PN IO IRT devices / on PROFINET IO controller / usable0Number of external PN IO lines / with PROFINET / per rack4Amount of data4• as user data for input variables / as PROFINET IO controller / maximum8 Kibyte• as user data for input variables / as PROFINET IO controller / maximum8 Kibyte• as user data for input variables / as PROFINET IO controller / maximum1433 byte	Product function / PROFINET IO controller	Yes
controller / usableANumber of external PN IO lines / with PROFINET / per rack4Amount of dataAmount of data• as user data for input variables / as PROFINET IO controller / maximum8 Kibyte• as user data for input variables / as PROFINET IO controller / maximum8 Kibyte• as user data for input variables / as PROFINET IO controller / maximum1433 byte		125
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<ul> <li>as user data for input variables / as PROFINET IO controller / maximum</li> <li>as user data for input variables / as PROFINET IO controller / maximum</li> <li>as user data for input variables per PN IO</li> <li>1433 byte</li> </ul>		4
IO controller / maximum     8 Kibyte       • as user data for input variables / as PROFINET     8 Kibyte       IO controller / maximum     1433 byte	Amount of data	
IO controller / maximum  • as user data for input variables per PN IO 1433 byte		8 Kibyte
	-	8 Kibyte
		1433 byte

<ul> <li>as user data for output variables per PN IO device / as PROFINET IO controller / maximum</li> </ul>	1433 byte	
<ul> <li>as user data for input variables per PN IO device / for each sub-module as PROFINET IO controller / maximum</li> </ul>	240 byte	
<ul> <li>as user data for output variables per PN IO device / for each sub-module as PROFINET IO controller / maximum</li> </ul>	240 byte	
Performance data / PROFINET CBA		
Number of remote connection partners / with PROFINET CBA	64	
Number of connections / with PROFINET CBA / total	600	
Amount of data		
<ul> <li>as user data for digital inputs / with PROFINET CBA / maximum</li> </ul>	8 Kibyte	
<ul> <li>as user data for digital outputs / with PROFINET CBA / maximum</li> </ul>	8 Kibyte	
<ul> <li>as user data for arrays and data types / in the case of acyclic transmission / with PROFINET CBA / maximum</li> </ul>	8 Kibyte	
<ul> <li>as user data for arrays and data types / with PROFINET CBA / with cyclical transfer / maximum</li> </ul>	250 byte	
<ul> <li>as user data for arrays and data types / with PROFINET CBA / in the case of local interconnection / maximum</li> </ul>	2400 byte	
Performance data / PROFINET CBA / remote conn	Performance data / PROFINET CBA / remote connection / with acyclic transmission	
Refresh time / of the remote interconnections / in the case of acyclic transmission / with PROFINET CBA	100 ms	

case of acyclic transmission / with PROFINET CBA	100 ms
Number of remote connections to input variables / in the case of acyclic transmission / with PROFINET CBA / maximum	150
Number of remote connections to output variables / in the case of acyclic transmission / with PROFINET CBA / maximum	150
Amount of data	
<ul> <li>as user data for remote interconnections with input variables / in the case of acyclic transmission / with PROFINET CBA</li> </ul>	8 Kibyte
<ul> <li>as user data for remote interconnections with output variables / in the case of acyclic transmission / with PROFINET CBA</li> </ul>	8 Kibyte
Performance data / PROFINET CBA / remote connection / with cyclic transmission	

r chomanee data / r Kor nyer ob// remote connection / with cyclic transmission	
Refresh time / of the remote interconnections / with	10 ms
PROFINET CBA / with cyclical transfer	

Number of remote connections to input variables / with PROFINET CBA / with cyclical transfer / maximum	250
Number of remote connections to output variables / with PROFINET CBA / with cyclical transfer / maximum	250
Amount of data	
<ul> <li>as user data for remote interconnections with input variables / with PROFINET CBA / with cyclical transfer / maximum</li> </ul>	2000 byte
<ul> <li>as user data for remote interconnections with output variables / with PROFINET CBA / with cyclical transfer / maximum</li> </ul>	2000 byte
Performance data / PROFINET CBA / HMI variable	s via PROFINET / acyclic
Number of connectable HMI stations / for HMI	3
variables / in the case of acyclic transmission / with PROFINET CBA	
Refresh time / of the HMI variables / in the case of	500 ms
acyclic transmission / with PROFINET CBA	
Number of HMI variables / in the case of acyclic	200
transmission / with PROFINET CBA / maximum	
Amount of data / as user data for HMI variables / in	8 Kibyte
the case of acyclic transmission / with PROFINET	
CBA / maximum	
	al connections
CBA / maximum Performance data / PROFINET CBA / device-intern Number of internal connections / with PROFINET	al connections 300
Performance data / PROFINET CBA / device-intern	
Performance data / PROFINET CBA / device-intern Number of internal connections / with PROFINET	
Performance data / PROFINET CBA / device-intern Number of internal connections / with PROFINET CBA / maximum	300
Performance data / PROFINET CBA / device-intern Number of internal connections / with PROFINET CBA / maximum Amount of data / of the internal connections / with PROFINET CBA / maximum	300 2400 byte
Performance data / PROFINET CBA / device-intern Number of internal connections / with PROFINET CBA / maximum Amount of data / of the internal connections / with	300 2400 byte
Performance data / PROFINET CBA / device-intern Number of internal connections / with PROFINET CBA / maximum Amount of data / of the internal connections / with PROFINET CBA / maximum Performance data / PROFINET CBA / connections	300 2400 byte to constants
Performance data / PROFINET CBA / device-intern Number of internal connections / with PROFINET CBA / maximum Amount of data / of the internal connections / with PROFINET CBA / maximum Performance data / PROFINET CBA / connections Number of connections with constants / with	300 2400 byte to constants
Performance data / PROFINET CBA / device-intern Number of internal connections / with PROFINET CBA / maximum Amount of data / of the internal connections / with PROFINET CBA / maximum Performance data / PROFINET CBA / connections Number of connections with constants / with PROFINET CBA / maximum	300 2400 byte to constants 500
Performance data / PROFINET CBA / device-intern         Number of internal connections / with PROFINET         CBA / maximum         Amount of data / of the internal connections / with         PROFINET CBA / maximum         Performance data / PROFINET CBA / connections         Number of connections with constants / with         PROFINET CBA / maximum         Amount of data / as user data for interconnections	300 2400 byte to constants 500 4000 byte
Performance data / PROFINET CBA / device-intern         Number of internal connections / with PROFINET         CBA / maximum         Amount of data / of the internal connections / with         PROFINET CBA / maximum         Performance data / PROFINET CBA / connections         Number of connections with constants / with         PROFINET CBA / maximum         Amount of data / as user data for interconnections         with constants / with PROFINET CBA / maximum	300 2400 byte to constants 500 4000 byte
Performance data / PROFINET CBA / device-intern         Number of internal connections / with PROFINET         CBA / maximum         Amount of data / of the internal connections / with         PROFINET CBA / maximum         Performance data / PROFINET CBA / connections         Number of connections with constants / with         PROFINET CBA / maximum         Amount of data / as user data for interconnections         with constants / with PROFINET CBA / maximum         Amount of data / as user data for interconnections         with constants / with PROFINET CBA / maximum         Performance data / PROFINET CBA / maximum	300 2400 byte to constants 500 4000 byte proxy functionality
Performance data / PROFINET CBA / device-intern         Number of internal connections / with PROFINET         CBA / maximum         Amount of data / of the internal connections / with         PROFINET CBA / maximum         Performance data / PROFINET CBA / connections         Number of connections with constants / with         PROFINET CBA / maximum         Amount of data / as user data for interconnections         with constants / with PROFINET CBA / maximum         Performance data / PROFINET CBA / maximum         Product of data / as user data for interconnections         Product function / with PROFINET CBA / PROFIBUS	300 2400 byte to constants 500 4000 byte proxy functionality
Performance data / PROFINET CBA / device-intern         Number of internal connections / with PROFINET         CBA / maximum         Amount of data / of the internal connections / with         PROFINET CBA / maximum         Performance data / PROFINET CBA / connections         Number of connections with constants / with         PROFINET CBA / maximum         Amount of data / as user data for interconnections         with constants / with PROFINET CBA / maximum         Amount of data / as user data for interconnections         with constants / with PROFINET CBA / maximum         Performance data / PROFINET CBA / maximum         Performance data / PROFINET CBA / PROFIBUS proxy functionality	300 2400 byte to constants 500 4000 byte proxy functionality No
Performance data / PROFINET CBA / device-intern         Number of internal connections / with PROFINET         CBA / maximum         Amount of data / of the internal connections / with         PROFINET CBA / maximum         Performance data / PROFINET CBA / connections         Number of connections with constants / with         PROFINET CBA / maximum         Amount of data / as user data for interconnections         with constants / with PROFINET CBA / maximum         Performance data / PROFINET CBA / maximum         Performance data / PROFINET CBA / maximum         Performance data / PROFINET CBA / PROFIBUS product function / with PROFINET CBA / PROFIBUS proxy functionality         Product function / MIB support	300 2400 byte to constants 500 4000 byte proxy functionality No
Performance data / PROFINET CBA / device-intern         Number of internal connections / with PROFINET         CBA / maximum         Amount of data / of the internal connections / with         PROFINET CBA / maximum         Performance data / PROFINET CBA / connections         Number of connections with constants / with         PROFINET CBA / maximum         Amount of data / as user data for interconnections         with constants / with PROFINET CBA / maximum         Performance data / PROFINET CBA / maximum         Profuct function / with PROFINET CBA / PROFIBUS         proxy functionality         Product function / MIB support         Protocol / is supported	300 2400 byte to constants 500 4000 byte proxy functionality No Yes
Performance data / PROFINET CBA / device-intern         Number of internal connections / with PROFINET         CBA / maximum         Amount of data / of the internal connections / with         PROFINET CBA / maximum         Performance data / PROFINET CBA / connections         Number of connections with constants / with         PROFINET CBA / maximum         Amount of data / as user data for interconnections         with constants / with PROFINET CBA / maximum         Performance data / PROFINET CBA / PROFIBUS proxy functionality         Product function / with PROFINET CBA / PROFIBUS         proxy functionality         Protocol / is supported         • SNMP v1         • LLDP	300 2400 byte to constants 500 4000 byte proxy functionality No Yes Yes
Performance data / PROFINET CBA / device-intern         Number of internal connections / with PROFINET         CBA / maximum         Amount of data / of the internal connections / with         PROFINET CBA / maximum         Performance data / PROFINET CBA / connections         Number of connections with constants / with         PROFINET CBA / maximum         Amount of data / as user data for interconnections         with constants / with PROFINET CBA / maximum         Performance data / PROFINET CBA / PROFIBUS proxy functionality         Product function / with PROFINET CBA / PROFIBUS proxy functionality         Product function / MIB support         Protocol / is supported         • SNMP v1         • LLDP         Configuration software	300 2400 byte to constants 500 4000 byte proxy functionality No Yes Yes No
Performance data / PROFINET CBA / device-intern         Number of internal connections / with PROFINET         CBA / maximum         Amount of data / of the internal connections / with         PROFINET CBA / maximum         Performance data / PROFINET CBA / connections         Number of connections with constants / with         PROFINET CBA / maximum         Amount of data / as user data for interconnections         with constants / with PROFINET CBA / maximum         Performance data / PROFINET CBA / PROFIBUS proxy functionality         Product function / with PROFINET CBA / PROFIBUS         proxy functionality         Protocol / is supported         • SNMP v1         • LLDP	300 2400 byte to constants 500 4000 byte proxy functionality No Yes Yes

Product functions / Diagnosis	
Product function / Web-based diagnostics	Yes
Product functions / switch	
Product functions / switch	Yes
Product function	
switch-managed	No
with IRT / PROFINET IO switch	No
Configuration with STEP 7	Yes
Product functions / Redundancy	
Product function	
<ul> <li>Ring redundancy</li> </ul>	No
Parallel Redundancy Protocol (PRP)/operation	No
in the PRP-network	
Product functions / Security	
Product function	
<ul> <li>password protection for Web applications</li> </ul>	Yes
ACL - IP-based	Yes
<ul> <li>ACL - IP-based for PLC/routing</li> </ul>	No
<ul> <li>switch-off of non-required services</li> </ul>	No
<ul> <li>Blocking of communication via physical ports</li> </ul>	Yes
<ul> <li>log file for unauthorized access</li> </ul>	No
Product functions / Time	
Product functions / Time Product function / SICLOCK support	Yes
Product function / pass on time synchronization	Yes
Protocol / is supported	
• NTP	Yes
Further Information / Internet Links Internet-Link	
to website: Selector SIMATIC NET	http://www.siemens.com/snst
SELECTION TOOL	http://www.siemens.com/shst
• to website: Industrial communication	http://www.siemens.com/simatic-net
• to website: Industry Mall	https://mall.industry.siemens.com
• to website: Information and Download Center	http://www.siemens.com/industry/infocenter
• to website: Image database	http://automation.siemens.com/bilddb
• to website: CAx Download Manager	http://www.siemens.com/cax
• to website: Industry Online Support	https://support.industry.siemens.com

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