

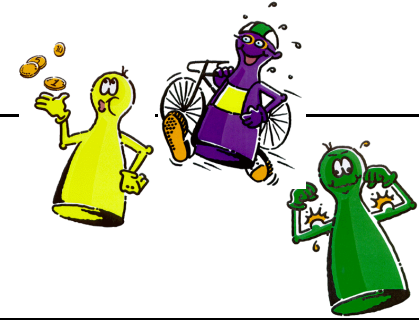
SIEMENS

SIMATIC NET

Industrial Ethernet

System Attachment
for SIMATIC S5/S7
and PG/PC





Notes

Warning

Installation and Startup Prior to startup, you must observe the notes in the relevant documentation. For ordering data of the documentation, please refer to catalogs or contact your local Siemens representative.

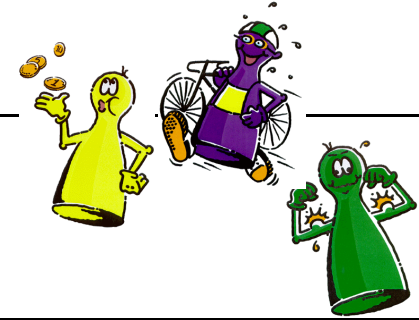
Startup must not take place until it is established that the machine, which is to accommodate this component, is in conformity with the guideline 89/392/EEC.

Notes for the User

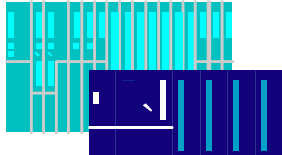

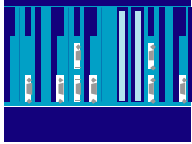

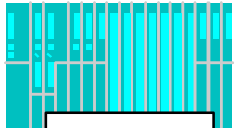
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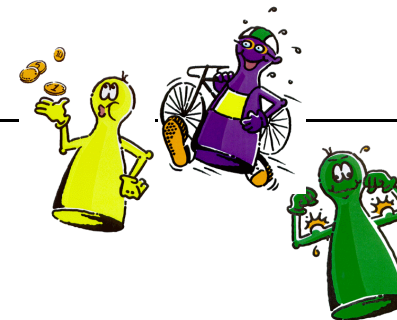
We have checked the contents of this manual for agreement with the hardware and software described. Since deviations cannot be precluded entirely, we cannot guarantee full agreement. However, the data in this manual are reviewed regularly and any necessary corrections included in subsequent editions. Suggestions for improvement are welcomed. Please send any suggestions quoting the document number C79000-Z8976-C31-01 to the e-mail address simatic.net@nbgm.siemens.de



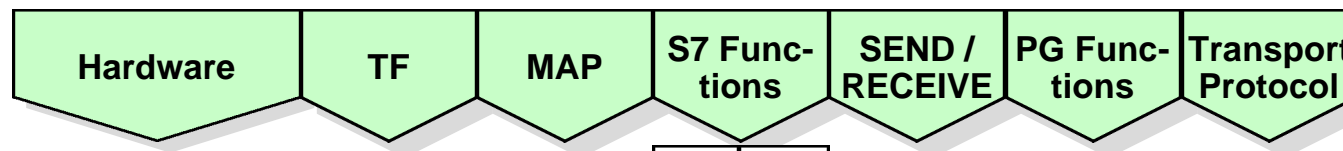
Communication with SIMATIC S7 on Industrial Ethernet

	SIMATIC S7 	PC 	SIMATIC S5 	Other System <div style="border: 1px solid black; width: 100px; height: 40px; margin: 0 auto;"></div>
SIMATIC S7-300  <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 2px;">CP 343-1</div> <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 2px;">CP 343-1 TCP</div>	SEND / RECEIVE S7 Functions ¹⁾	S7 Functions ¹⁾ SEND / RECEIVE	SEND / RECEIVE	SEND / RECEIVE
SIMATIC S7-400  <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 2px;">CP 443-1</div> <div style="border: 1px solid black; padding: 2px; width: fit-content; margin: 2px;">CP 443-1 TCP</div>	S7 Functions SEND / RECEIVE	S7 Functions SEND / RECEIVE	SEND / RECEIVE	SEND / RECEIVE

1) S7-300 server only



Communication Functions on Industrial Ethernet



SIMATIC S5



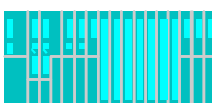
	Hardware	TF	MAP	S7 Functions	SEND / RECEIVE	PG Functions	Transport Protocol
CP 1430 TF		•	-	- -	•	•	ISO
CP 1430 TCP		-	-	- -	•	•	TCP
CP 1473 MAP		-	•	- -	-	•	ISO

SIMATIC S7-300



CP 343-1		-	-	- •	•	•	ISO
CP 343-1 TCP		-	-	- •	•	•	TCP

SIMATIC S7-400



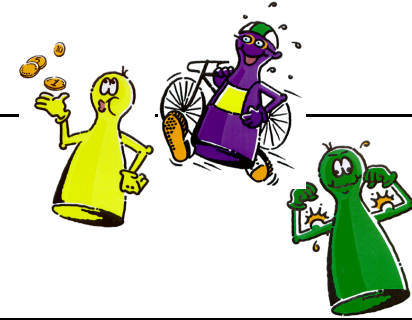
CP 443-1		-	-	• •	•	•	ISO
CP 443-1 TCP		-	-	• •	•	•	TCP

PC/ PG



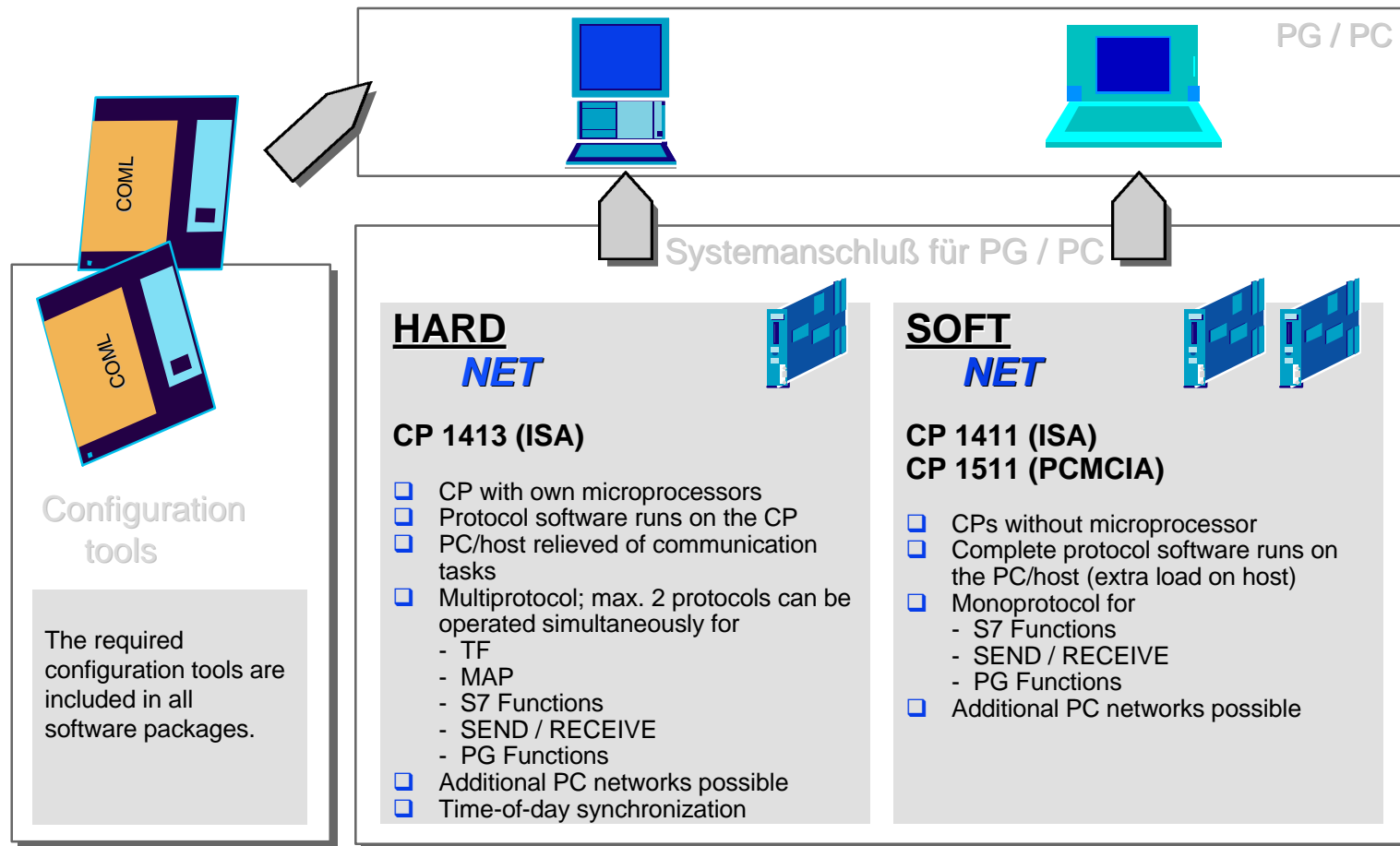
CP 1413 3)		•	• 2)	• -	•	•	ISO
CP 1411		• 1)	-	• -	•	•	ISO/TCP
CP 1511		• 1)	-	• -	•	•	ISO/TCP

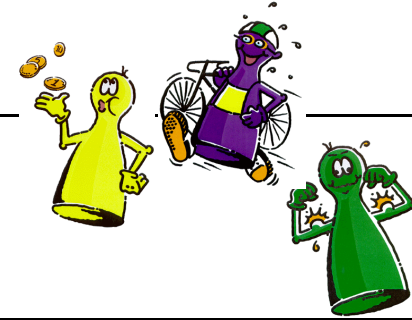
1) Available only under Unix 2) Available only under MS-DOS, Windows 3.11
 3) Only S7 Functions, SEND/RECEIVE and PG Functions possible with TCP/IP



Industrial Ethernet


System Attachment for PG/PC

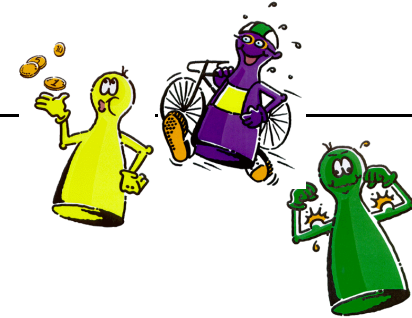




Industrial Ethernet



System Attachment for PG / PC - Program Packages

Hardware	Communication via	Product	Operating Systems				Transport Protocol	
			DOS / WIN 3.x	Windows 95	Windows NT	UNIX	ISO	TCP/IP
HARDNET								
<p>CP 1413 *</p> <p>ISA card</p>  <p>*) all 1413 software packages can be ordered without the CP 1413 (e.g. for conversion)</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>CONFIGURATION with</p> <ul style="list-style-type: none"> - COML 1413 TF - COML 1413 MAP - COML S7 </div>	TF	TF-1413/xxx	•	•	•	•	•	
	MAP	MAP-1413/xxx	•				•	
	SEND / RECEIVE	TF-1413/xxx	• 1)	•	•		•	
	SEND / RECEIVE	CP 1413 S5/xxx	•				•	
	SEND / RECEIVE	S7-1413/xxx		•	•		•	•
	S7 Functions	S7-1413/xxx		•	•		•	•
	PG Functions	PG-1413/xxx		•	•		•	•
	PG Functions	TF-1413/xxx	• 1)	•	•		•	
	PG Functions	MAP-1413/xxx	•				•	
	PG Functions	CP 1413S5/xxx	•				•	
		xxx = operating system						1) can only be operated on ISO



Industrial Ethernet

System Attachment for PG / PC - Program Packages

Hardware	Communication via	Software Product	Operating Systems				Transport Protocol	
			DOS / WIN 3.x	Windows 95	Windows NT	UNIX	ISO	TCP/IP
SOFTNET								
CP 1411 ISA card 	TF	SOFTNET-TF/xxx				•	•	
	SEND / RECEIVE	SOFTNET-S5/xxx	•				•	
	SEND / RECEIVE	SOFTNET-S7/xxx		•	•	•	•	•
	S7 Functions	SOFTNET-S7/xxx		•	•	•	•	•
	PG Functions	SOFTNET-PG/xxx	• 1)	•	•		•	•
	PG Functions 2)	SOFTNET-S7/xxx		•	•		•	•
CP 1511 PCMCIA card 	TF	SOFTNET-TF/xxx				•	•	
	SEND / RECEIVE	SOFTNET-S5/xxx	•				•	•
	SEND / RECEIVE	SOFTNET-S7/xxx		•	•	•	•	•
	S7 Functions	SOFTNET-S7/xxx		•	•	•	•	•
	PG Functions	SOFTNET-PG/xxx	• 1)	•	•		•	•
	PG Functions 2)	SOFTNET-S7/xxx		•	•		•	•
CONFIGURATION with - COML 1413 TF - COML 1413 MAP - COML S7		xxx = operating system 1) operation only on ISO 2) PG Functions under - DOS/Windows 3.x only for STEP 5 - Windows 95 for STEP 5 and STEP 7 - Windows NT only for STEP 7						