

Communications overview

Function

	Hardware	PROFIBUS DP			PG/ OP	S7 Communication			S5-C <sup>1)</sup>	PROFIBUS-FMS			Time of day		
		in the standard system		Master Class 1		Master Class 2		DP-Slave							
<b>SIMATIC S5</b>	<b>CP 5431 FMS/DP</b>	■				■				■ <sup>2)</sup>	■	■	■	■	■
	<b>IM 308-C</b>	■		■	■										
<b>SIMATIC 505</b>	<b>505 FIM</b>	■													
	<b>505 RBC</b>			■											
	<b>CP 5434</b>				■		■			■	■	■	■		
<b>SIMATIC S7-300</b>	<b>CP 342-5</b>	■ <sup>3)</sup>		■	■ <sup>3)</sup>	■	■	■	■	■					
<b>SIMATIC C7</b>	<b>CP 343-5</b>				■		■			■	■	■	■		
<b>SIMATIC S7-400</b>	<b>CP 443-5 Basic</b>					■	■	■	■	■	■	■	■	■	■
	<b>CP 443-5 Extended</b>	■	■ <sup>4)</sup>			■	■	■	■	■	■	■	■		■
	<b>IM 467</b>	■				■									
	<b>IM 467 FO</b>	■				■									

1) S5-compatible communication; refers to SDA (PLC/PLC connection) and SDN services of PROFIBUS Layer 2

2) Additional SRD services of PROFIBUS Layer 2

3) DP master, DP slave cannot be operated simultaneously

4) Fault-tolerant DP master and S7 Communication can be operated optionally

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Communications overview for SIMATIC