MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

SIEMENS

6GK7542-5DX00-0XE0

SIMATIC S7 1500 COMMUNICATION PROCESSOR

Used with the applicable PLC System configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Siemens official manufacturer documentation

Family	CPU	MLFB	Version
S7-1200	CPU 1211C	6ES7211-xx31-0XB0	FW V3.0
	CPU 1212C	6ES7212-xx31-0XB0	FW V3.0
	CPU 1214C	6ES7214-xx31-0XB0	FW V3.0
	CPU1215C	6ES7215-xx31-0XB0	FW V3.0
S7-1500	CPU 1511-1 PN	6ES7511-1AK00-0AB0	FW V1.0
	CPU 1513-1 PN	6ES7513-1AL00-0AB0	FW V1.0
	CPU 1516-3 PN/DP	6ES7516-1AN00-0AB0	FW V1.0
S7-mEC (*1)	EC31-RTX (F)	6ES7677-1DD10-0BB0 (6ES7677-1FD10-0FB0)	08/2010
Box PC (*1)	SIMATIC embedded bundles (with RTX):	IPC2x7D, IPC4x7C	
Panel PC (*1)	SIMATIC embedded bundles (with RTX):	IPC277D, IPC477C	
WinAC RTX	WinAC RTX (F) 2010 (software)	6ES7 671-0RC08-0YA0 (6ES7 671-1RC08-0YA0)	V4.6

(*1): with WinAC RTX (F) 2010 as software controller

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65.2 SIMATIC CP or CM

65.2.1 Application in stations with CPU

The table contains all CPs and CMs, discussed in part 2 (selection aid) of the document.

Table 65-2

Family	CP or CM			MLFB	Version
ET 200 CPU	PB	ET 200S	DP master module	6ES7138-4HA00-0AB0	FW V1.0
	PtP **(*1)**	ET 200S	1SI 3964/*ASCII*	6ES7138-4DF01-0AB0	FW V1.4
	PtP **(*1)**	ET 200S	1SI Modbus/USS	6ES7138-4DF11-0AB0	FW V1.4
S7-300	PB	CP 342-5		6GK7 342-5DA03-0XE0	FW V6.0
	PB	CP 342-5 FO		6GK7342-5DF00-0XE0	FW V5.7
	PB	CP 343-5		6GK7 343-5FA01-0XE0	FW V4.2
	PN/IE	CP 343-1 Lean		6GK7 343-1CX10-0XE0	FW V3.0
	PN/IE	CP 343-1		6GK7 343-1EX30-0XE0	FW V3.0
	PN/IE	CP 343-1 Advanced		6GK7 343-1GX31-0XE0	FW V3.0
	PN/IE	CP 343-1 ERPC		6GK7343-1FX00-0XE0	FW V1.0
	PtP **(*2)**	CP 340		6ES7340-1xH02-0AE0	FW V1.0
	PtP **(*2)**	CP 341		6ES7341-1xH02-0AE0	FW V2.1
S7-400	PB	CP 443-5 Basic		6GK7 443-5FX02-0XE0	FW V4.0
	PB	CP 443-5 Extended		6GK7 443-5DX05-0XE0	FW V7.0
	PN/IE	CP 443-1		6GK7 443-1EX30-0XE0	FW V3.1
	PN/IE	CP 443-1 Advanced		6GK7 443-1GX30-0XE0	FW V3.1
	PtP	CP 440		6ES7440-1CS00-0YE0	FW V1.0
	PtP	CP 441-1		6ES7441-1AA05-0AE0	FW V2.0
	PtP	CP 441-2		6ES7441-2AA05-0AE0	FW V2.0
S7-1200	PB	CM 1242-5 PB Slave		6GK7242-5DX30-0XE0	FW V1.0
	PB	CM 1243-5 PB Master		6GK7243-5DX30-0XE0	FW V1.2
	PtP	CM 1241 RS422/485		6ES7241-1CH31-0XB0	FW V1.0
	PtP	CM 1241 RS232		6ES7241-1AH30-0XB0	FW V1.0
	PtP	CB 1241 RS485		6ES7241-1CH30-1XB0	FW V1.0
S7-1500	PtP **(*3)**	CM PtP RS232 BA		6ES7 540-1AD00-0AA0	FWV1.0
	PtP **(*3)**	CM PtP RS232 HF		6ES7 541-1AD00-0AB0	FWV1.0
	PtP **(*3)**	CM PtP RS422/485 BA		6ES7 540-1AB00-0AA0	FWV1.0
	PtP **(*3)**	CM PtP RS422/485 HF		6ES7 541-1AB00-0AB0	FWV1.0
	IE	CP 1543-1		6GK7 543-1AX00-0XE0	FWV1.0
	PB	CM 1542-5		6GK7 542-5DX00-0XE0	FWV1.0
S7-mEC	PB	EM PCI-104		6ES7677-1DD60-1AA0	FWV1.0
	PN/IE	EM PC		6ES7677-1DD50-2AA0	FWv1.0
	PtP	CP 340		6ES7340-1xH02-0AE0	FWV1.0

Explanations on **(*x):** see chapter 65.2.2.

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65.2.2 Application in distributed stations without CPU

CPs or CMs with serial interface can also be operated in distributed stations to which no CPU is plugged.

CPs or CMs from the table in chapter 65.2.1

(*1): also in distributed ET 200S station

(*2): also in distributed ET 200M station

(*3): also in distributed ET 200P station

Additional options

Apart from the CPs or CMs listed above, there are also the following options:

Table 65-3

Decentralized station	CM	MLFB	Version
ET 200SP	CM PtP	6ES7137-6AA00-0AB0	FW V1.0

Note:

CM PtP controls the protocols: 3964(R), Freeport, USS, Modbus RTU.

CM PtP for ET 200SP has the same functionality as the CM PtP for S7-1500 (central) or ET 200MP (distributed).

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