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1 History

New firmware features since FW Version V1.448 until 1.10.17

Supported Plattforms
PCD3.M5447
PCD3.M5547
PCD3.M6347 (CAN)
PCD3.M6547 (DP Master)
PCD3.M2137V6 (Compact)

V1.10.17 (FW-Version in Production)	**12.03.2009**
New Features	

	DHCP/DNS development for xx7 platforms
	The DNS/DHCP functionalities shall be introduced for xx7 platforms.
	Implement MODBUSDriver and MODBUSShell
	Refer to related documents: "MODBUSDriver", "ModbusShell_xx7", "ModbusShell_Classic"
	Support New WebServer2
	File system on SD
	Allow to overwrite data on a SD card PCD3.R600) file system.
	User delete of SRAM on system startup
	Added the possibility of User-delete SRAM at system startup from power-on. After a power-on hold the push button during system start until the run/halt LED is flashing red (4Hz) for around 4s. If the button is released in this section the SRAM will be deleted and the system starts like no battery and empty SuperCAP.

V1.07.27 (FW-Version in Production)	**27.03.2008**
New Features	

	WEBServer Tags
	• The reading / writing of Timer (,t) values in DB are supported by PDPTags. Access DBWx,t is storing the Value in SIMATIC-TIME format, and access to DBDx,t is storing in ms format.
	• The PDP interface for xx7 time format was enhanced to accept the h, m, s and ms parameter in Upper and Lower case.
	• added ParseNTTag. called from ReadVariable and WriteVariable. The variable are accessible via tag: "NT-PLC,<TagName>" for reading and "NT-PLC,<TagName>+<Value>" for writing: EnterBooter, State, ClearAll, Compress, RAM2ROM
	• Added new TAGs for Filesystem Access. (FreeSize / Used Size / Released Size / AutoCompress) for reading and added new TAG (AutoCompress) for writing to the Filesystem.
	• Support for PPServices over USB / serial protocol. Access to file system through WEBserver..

WEBServer • TCP command port added (configurable, default port 81). It can be configured in the web configuration file with the keyword: PrioPort=Port Number. • NoTimeWait in socket config added	
PLC_xx7 • Support configuration of S7 Memory Sitze in CDB till 1920 KB. The USERSRAM file system takes the remaining size. • S7PROG directory on FLASH file system (M2_FLASH, M1_FLASH, INTFLASH) is searched and FC's / FB's are inserted as PLC Blocks. Search order is PLC:/BLOCKS, M2_FLASH:/S7PROG, M1_FLASH:/S7PROG and INTFLASH:/S7PROG. • Configuration of Step7 Memory Extension in CDB: the directory "[DEVICE]:/S7PROG/" has to be present default: 256k DRAM are allocated. This size can be modified if a different size is defined in CDB "S7MEMEXT=xxx" (where xxx is size in kB, maximal size is limited to 512k) valid blocktypes are: OB, FB, FC and DB. If DB's are stored in the mem extension, they are NEVER REMANENT! • Now-How Protection for Blocks in S7PROG Directory. Know How Protection as described in: "Step7 Extended Know How Protection.doc" • With the Integration of Now-How Protected Blocks, it was necessary to change the FLASH priority definition for loading FTP configuration file(s). New prioritis: 1 INTFLASH, 2 WEB, 3 M1_FLASH, 4 M2_FLASH, 5 SLx_FLASH (0 to 3).	
E-mail on xx7 Integration of IPService Module_ and New Functions for sending Email. New SFB440 Send E-mail indroduced. Description of SFB440 is in Document "E-mail_on_xx7.doc"..	
PLC Backup Programm Backup on IntFlash, PCD7.R500, PCD3/7.R550M04 and PCD3.R600 Flashes	
PBios: • New mixed analog module W525 is supported. • Temperatures measuring with PT1000 on W340 are supported. • All analoge module has to posibility to configure the measurement range with a min / max Value. The configuration can be done for each channel independent. • Support M9A17 IO-Board • Support Compact IO-Board	
Serial Communication Support of PCD3.F2xx serial communication modules	