



**Änderungsindex Software S169370, S169371,  
S169372, S169373**

Version	Freigabe	Deutsch	English
101	15.11.07		Initial SE Version (Sysdisk 1.0)
102	13.01.09		OS-9000 V 4.8 (Sysdisk 1.1)
103	26.10.10		First GC version (Sysdisk 1.3)
104	18.01.11		driver update for rbf and dhcp
105	01.04.11		First stable init module for GC new syslog
106	08.02.12		New graphical installation menu bootloader firmware image 1.5 updates for rbf, SMB client, Syslog daemon and h0 device descriptor
107	26.10.12	IP-Adresskonfliktvermeidung, PCF (FAT-Dateisystem), touchcal updates.	IP address conflict avoidance, PCF (FAT filesystem) and touchcal updates
108	15.08.13	Neuer ioman, copy und samba. Verbesserungen bei Netzlaufwerken	New ioman, copy und samba. Improvements for working with network shares
109	14.11.13	Treiber arcd aktualisiert:  Update verhindert fehlerhafte Pakete, die sich durch „Packages without DGD protocol“ bemerkbar machen	Updated driver arcd:  The update prevents malformed packets, which can be identified by “Packages without DGD-protocol”.
110	18.03.14	Treiberpaket für Samba aktualisiert:  Das Update behebt das Problem, daß Dateien auf dem Server als offen stehen bleiben, wenn ein Kommando z.B. aus Sicherheitsgründen nicht ausgeführt werden kann.	Updated Samba driver package:  The update fixes the problem that open files are left on the server in case a command cannot be executed e.g. for security reasons.
111	05.05.14	Treiber für FAT und Samba aktualisiert:  Das FAT-Update verkürzt das Lesen von Inhaltsverzeichnissen von USB-Sticks auf die Zeit von Version 108.  Das Samba Update verhindert das Anzeigen von falschen Dateinamen, wenn die Nullterminierung der Datei- und Verzeichnisnamen nicht vorhanden ist.	Updated drivers for Samba and FAT:  The FAT update reduces the time to read the directory structure of a USB stick to the same amount of time as before Version 108.  The Samba update fixes the problem of wrong file- and directory names in case the strings are not null- terminated.
112	28.01.15	Austausch des Treibers didriv #7 -Fehler bei dem IRQ handling (Probleme mit dem Einlesen der Eingänge) PRR 05868	Updated drivers didriv #7 - fixed error with IRQ handling (Inputs were not updating anymore) PRR 05868

<b>113</b>	20.08.15	<p>PRR-05958: Kein Hochlauf mit der mPro400SE Hardware S961450-060 bei deaktivieren der 1. Ethernet Karte.</p> <p>REQ-06056: Neuer SAMBA -Treiber mit kürzerem Timeout (smbfc ed . 346)</p> <p>ccinfo Ed40 zum Erkennen von NP40 Anybus Modulen S168025-201c Software zum Updaten der TM Module</p>	<p>PRR-05958: Not able to start mPro400SE hardware version S961450-060 in case network was deactivated in parameters.</p> <p>REQ-06056: New SAMBA driver with lower timeout in case mounting fails (smbfc ed. 346)</p> <p>New ccinfo Ed. 40 for detecting NP40 Anybus modules. S168025-201c Software for updating TM modules</p>
<b>114</b>	19.01.16	<p>PRR-07449: Samba erstellt nur leere Dateien mit Windows 2012 R2 (smbfc Ed. 347)</p>	<p>PRR-07449: Samba produces empty files with Windows 2012 R2 (smbfc Ed. 347)</p>
<b>115</b>	23.05.16	<p>PRR-07669: SAMBA Ed. 351 unterstützt jetzt UNICODE</p>	<p>PRR-07669: SAMBA Ed. 351 now supports UNICODE</p>
<b>116</b>	15.05.17	<p>PCF Ed. 125 bringt Prozesse unter Debugger nicht mehr zum Absturz SPFND?D* durch Versionen aus Sysdisk 2 ersetzt um neuen Debugger zu ermöglichen.</p> <p>PRR-09599, PRR-09556, PRR-09553: smbmount Ed. 353 verhindert das Trennen einer Netzlaufwerkverbindung während Dateien / Verzeichnisse in Benutzung sind</p> <p>Default GC SW 1.5.0 Default-Systempartitionsgröße auf 192 MB geändert</p>	<p>PCF ed. 125 doesn't crash debugged processes anymore SPFND?D* replaced with version from sysdisk 2 to allow for new debugger</p> <p>PRR-09599, PRR-09556, PRR-09553: smbmount Ed. 353 prevents unmounting while files / folders in use</p> <p>Default GC SW S168813-1.5.0 Changed default system partition size to 192 MB</p>
<b>117</b>	25.06.19	<p>SAMBA Ed. 358 (PRR-13334) Default GC SW 1.8.0</p>	<p>Updated smbfc Ed. 358 (PRR-13334) Default GC SW 1.8.0</p>
<b>118</b>	19.08.19	<p>SAMBA Ed. 360 (PRR-14010)</p>	<p>SAMBA Ed. 360 (PRR-14010)</p>

**For Version 2xx, see next page.**

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200	03.07.14		<ul style="list-style-type: none"> <li>◆ Sysdisk 2.0 contains:               <ul style="list-style-type: none"> <li>◆ All updates of previous 1.xx versions</li> <li>◆ Support for EtherNet/IP beacon-based DLR module (ccinfo)</li> <li>◆ OS-9000 Version 5.2:                   <ul style="list-style-type: none"> <li>◆ Improved IP collision avoidance (acd)</li> <li>◆ Improved DHCP client</li> <li>◆ Improved USB drivers</li> <li>◆ Disabled FTP and Telnet services by default – using SSH instead</li> </ul> </li> </ul> </li> <li>◆ U-Boot version 1.8: improved USB boot support</li> </ul>
201	26.08.14		<ul style="list-style-type: none"> <li>◆ Sysdisk 2.1 contains:               <ul style="list-style-type: none"> <li>◆ USB drivers to fix read error from USB stick</li> </ul> </li> </ul>
202	28.10.16		<ul style="list-style-type: none"> <li>◆ Sysdisk 2.2 contains:               <ul style="list-style-type: none"> <li>◆ rdd Ed. 50 (Fix for format error on RAM-Disk)</li> <li>◆ ccinfo Ed. 40 (Detection for NP40 Anybus modules)</li> <li>◆ Ethernet driver for V7 board</li> <li>◆ Samba Ed. 351 (Windows 2012 and UNICODE support)</li> <li>◆ fecxstat Ed. 5 (Fixed truncated driver statistic output)</li> <li>◆ sftpserver Ed. 8 (capable of displaying path names up to 1024 bytes)</li> <li>◆ pcf Ed. 125 (Fix for debugger crash)</li> </ul> </li> </ul>
203	26.07.17		<ul style="list-style-type: none"> <li>◆ Changed installation procedure to avoid usage of potentially too small RAM disk (PRR-10179)</li> <li>◆ Sysdisk 2.3 contains:               <ul style="list-style-type: none"> <li>◆ Increased buffer size for syslog</li> <li>◆ Smbmount Ed. 353 (PRR-09599)</li> <li>◆ Updated network drivers (PRR-10014)</li> <li>◆ Updated startup script for sftp (PRR-09924)</li> <li>◆ Kernel update for system freeze (PRR-04398)</li> </ul> </li> </ul>
204	05.06.18		<ul style="list-style-type: none"> <li>◆ Changed installation procedure to avoid Error 002 message after update (PRR-10335)</li> <li>◆ Updated U-Boot to Version 2.0</li> <li>◆ Sysdisk 2.4 contains:               <ul style="list-style-type: none"> <li>◆ Updated Ethernet drivers (PRR-10837)</li> <li>◆ Updated ccinfo for P5121 V8</li> <li>◆ Updated Syslog settings (REQ-12718)</li> </ul> </li> </ul>
205	28.02.19		<ul style="list-style-type: none"> <li>◆ Sysdisk 2.5 contains:               <ul style="list-style-type: none"> <li>◆ Updated Ethernet drivers (PRR-12761)</li> <li>◆ Updated vector, ipicirq and kernel (PRR-12761)</li> <li>◆ Updated SSH to OpenSSH 6.0p1_mwar12</li> </ul> </li> </ul>

206	08.03.19		<ul style="list-style-type: none"> <li>◆ Default Software updated to S168813-1.8.2-Std (PRR-13686)</li> <li>◆ Partition /h0 size for new installations is now 384 MB (REQ-13732)</li> <li>◆ Sysdisk 2.6 contains: <ul style="list-style-type: none"> <li>◆ Updated SAMBA Ed. 357 (PRR-13334)</li> <li>◆ Updated kernel, vectors, pipeman, init</li> <li>◆ Updated SSH – stopping unused processes now properly</li> <li>◆ Fixed PRR-12677 - Syntax error in startup</li> </ul> </li> </ul>
207	04.04.19		<ul style="list-style-type: none"> <li>◆ Using new controller software: S168813-1.8.3-Std</li> <li>◆ Sysdisk 2.7 contains: <ul style="list-style-type: none"> <li>◆ Updated SSH – PRR-13815 – SCP does not work with Sysdisk 2.6</li> <li>◆ Added Watchdog for enet1 – PRR-13732 – Ethernet card 2 does not work</li> <li>◆ Updated init module – PRR-13388 – Crash in Fileselect box with sysdisk 2.5 and 2.6</li> <li>◆ Updated smb Ed. 358 (PRR-13334 access())</li> </ul> </li> </ul>
208	19.08.19		<ul style="list-style-type: none"> <li>◆ Sysdisk 2.8 contains <ul style="list-style-type: none"> <li>◆ SAMBA Ed. 360 (PRR-14010)</li> </ul> </li> </ul>
209	07.10.19		<ul style="list-style-type: none"> <li>◆ Sysdisk 2.9 contains <ul style="list-style-type: none"> <li>◆ smb Ed. 1360 (PRR-14870 – XML data transmission - Sharing Violation)</li> </ul> </li> </ul>
210	18.11.19		<ul style="list-style-type: none"> <li>◆ Sysdisk 2.10 contains <ul style="list-style-type: none"> <li>◆ Updated rbf (Ed. 10128) and removed unused alias descriptor for Ethernet 2 (PRR-10837, PRR-14856 - Controller frozen after Software Update)</li> </ul> </li> </ul>
211	14.07.20		<ul style="list-style-type: none"> <li>◆ Sysdisk 2.11 contains updates for: <ul style="list-style-type: none"> <li>◆ PRR-15304 - SSH over SSH and backspace over SSH does not work</li> <li>◆ PRR-15305 - DIDump_startup does not append new crashes</li> <li>◆ PRR-16226 - Time synchronisation via NTP uses leapseconds</li> </ul> </li> </ul>
212	28.01.21		<ul style="list-style-type: none"> <li>◆ Sysdisk 2.12 contains updates for: <ul style="list-style-type: none"> <li>◆ PRR-16957 - Controller sometimes frozen with CellCore Tools</li> <li>◆ PRR-17087 - Lost data packets on TSnet</li> <li>◆ PRR-17141 - No DHCP discover after reconnecting Ethernet cable</li> </ul> </li> </ul>
213	15.02.21		<ul style="list-style-type: none"> <li>◆ Sysdisk 2.13 contains updates for: <ul style="list-style-type: none"> <li>◆ PRR-17338 - Debug messages not disabled in Ethernet driver</li> </ul> </li> </ul>
214	25.01.22		<ul style="list-style-type: none"> <li>◆ Sysdisk 2.14 contains updates for: <ul style="list-style-type: none"> <li>◆ PRR-18904 - write error on stdout: 000:245 during software update</li> <li>◆ PRR-19157 - Filenames in parameter files are partially uppercase</li> </ul> </li> </ul>

215	18.05.22		<ul style="list-style-type: none"> <li>◆ Sysdisk 2.15 contains updates for:               <ul style="list-style-type: none"> <li>◆ PRR-19412 - Arcfour SSH ciphers not deactivated</li> <li>◆ PRR-19457 - Telnet not completely disabled</li> </ul> </li> </ul>
216	07.06.22		<ul style="list-style-type: none"> <li>◆ Sysdisk 2.16 contains no updates. (Only the installation procedure was fixed to avoid PRR-19615 - missing SSH / SFTP server)</li> </ul>
217	05.10.22		<ul style="list-style-type: none"> <li>◆ Sysdisk 2.17 contains these updates:               <ul style="list-style-type: none"> <li>◆ Watchdog and logfiles for syslog daemon to fix PRR-19089, PRR-19664 and PRR-19816</li> </ul> </li> </ul>
218	28.06.23	<p><i>Fix wrong timezone handling by syslogd showing odd time offset in hours in message* files.</i></p> <p>Main Changes / Enhancements to Version 2.17:</p> <ul style="list-style-type: none"> <li>• PRR-21228: Wrong syslog time stamp with configured timezone.</li> <li>• Using controller software: S168813-1.14.4-Std.</li> </ul>	