

	support@saia-pcd.com				
Concern: Date:	How to copy csv-Files (e.g., from HDLog) and Webedito Intflash if you are replacing an internal uSD card using	orproject files that are stored in SD Flash explorer			
Date:	30.11.2023	Version 1.0			

# How to copy csv-Files (e.g., from HDLog) and Webeditorproject files that are stored in Intflash if you are replacing an internal uSD card.

On PCD's that have INTFLASH, among other files, that are automatically stored into Inflash, it's possible to store Webeditor 8 project files like Webpages, images and other files (e.g., HDLog Files).



If the uSD card must be replaced, with the PG5 Project Backup, it's possible to download the complete PG5 project including Webeditor Webpages, images and other required filed to the PCD on the new uSD card.

If it's required to copy also other stored data like CSV-files that have been created by the user program and that are stored on the INTFLASH. This can be done over FTP access, if the PCD is still in operation with the original uSD card. You can use FTP (Get command) to extract the data from the PCD with the original uSD card and after the uSD card replacement, you can restore the data with FTP (Put command).

Saia-Burgess Controls AG Route Jo-Siffert 4, 1762 Givisiez, Switzerland T +41 26 580 30 00 www.saia-pcd.com



Another way of moving data, to the new SD card, is using the tool SD Flash explorer which is part of PG5 Suite.



Here is a step-by-step procedure for data backup / restore with SD Flash explorer.

1. Remove the original SD card using the procedure that is described for the PCD type you have, in the document

"Replace uSD memory card on PCD3.Mxxxx" Place the uSD card with an adaptor (uSD -> SD) into the laptop. Start SD Flash explorer Select File -> Open

## Select the file SAIANTFS.FFS

(This file contains the "INTFLASH" Filesystem)



Click "Open"



The content of the file will be displayed:

Sala PG5 SD Flash Explorer - SAIANTE	5.FF5							
File View Action Options H	elp							
<b>≆</b> 🔲 I <b>™</b>								
Flash File System Size:         124 MB         Space[KB]         Used=1168.0         Free=125744.0           Flash File System Version:         New         Space[KB]         Used=1168.0         Free=125744.0								
File name	Size	Access	Group	Creation	Modification			
E SD File System								
- CONFIG		RWX	CONFG	28.11.2023 11:01				
- WEBPAGES		RWX	WEBG	28.11.2023 11:01				
TREND		RWX	WEBG	28.11.2023 12:49				
- LOGFILE_D231128.CSV	2432	RW	WEBG	28.11.2023 12:49	28.11.2023 14:26			
- LOGFILE.LST	80	RW	WEBG	28.11.2023 12:49	28.11.2023 12:49			
- LOGFILE2_D231128.CSV	1985	RW	WEBG	28.11.2023 13:54	28.11.2023 14:26			
LOGFILE2.LST	80	RW	WEBG	28.11.2023 13:54	28.11.2023 13:54			
<ul> <li>\$CI_16ESBP9.GIF</li> </ul>	2258	RW	NO_GROUP	28.11.2023 14:04	28.11.2023 14:04			
<ul> <li>\$CI_15ROU1H.GIF</li> </ul>	1451	RW	NO_GROUP	28.11.2023 14:04	28.11.2023 14:04			
<ul> <li>\$CI_TJUSSO.GIF</li> </ul>	2319	RW	NO_GROUP	28.11.2023 14:04	28.11.2023 14:04			
— \$CI_HCVYDX.GIF	2393	RW	NO_GROUP	28.11.2023 14:04	28.11.2023 14:04			
<ul> <li>\$CI_I1P3MC.GIF</li> </ul>	2362	RW	NO_GROUP	28.11.2023 14:04	28.11.2023 14:04			
<ul> <li>\$CI_19FY3XF.GIF</li> </ul>	2335	RW	NO_GROUP	28.11.2023 14:04	28.11.2023 14:04			
<ul> <li>\$CI_1NWMIER.GIF</li> </ul>	2440	RW	NO_GROUP	28.11.2023 14:04	28.11.2023 14:04			
<ul> <li>\$CI_11W8YIM.GIF</li> </ul>	998	RW	NO_GROUP	28.11.2023 14:04	28.11.2023 14:04			
<ul> <li>\$CI_DBRPSN.GIF</li> </ul>	979	RW	NO_GROUP	28.11.2023 14:04	28.11.2023 14:04			
<ul> <li>\$CI_51A6ME.GIF</li> </ul>	2348	RW	NO_GROUP	28.11.2023 14:04	28.11.2023 14:04			
SCI_1YH0X9O.GIF	2768	RW	NO_GROUP	28.11.2023 14:04	28.11.2023 14:04			
AND UNDER OUT	0.000							

#### 2. With

File -> Backup

🍯 Saia	a PG5 SD F	lash Exp	orer - SAIA	NTFS.FFS			
File	View	Action	Options	Help			
	Open						
	Save	er	n Size: 1	24 MB			
	Backup	er	n Version: N	lew			
r I	Restore	-					
	Format	Backup	the entire	SD CARD			
	Exit						
- <b>-</b> -	WEBPAG	ES					
	- TRENE	)					
	<ul> <li>\$CI_16ESBP9.GIF</li> </ul>						
	- \$CI_15ROU1H.GIF						
	SCI TUUSSO GIE						

You can now save the backup-file on the disk of the laptop.





- 3. You must put the new uSD card into the PCD using the procedure that is described in the document "Replace uSD memory card on PCD1.Mxxxx" into the PCD. (Note, if you had to remove screws for removing the cover, you don't have to put the cover and the screws yet, as we will remove the uSD card again) Powerup the PCD and wait until the PCD has booted up -> Run LED red. After finishing this procedure, you must power off the PCD and you must remove the new uSD card. (Proceed the same way as for the removing the original uSD as described in the document "Replace uSD memory card on PCD1.Mxxxx")
- Place the new uSD card with an adaptor (uSD -> SD) into the laptop. In SD Flash explorer Select

File -> Open

## Select the file SAIANTFS.FFS

the view Action (Intions Help				۵		
Open						
- → ∽ ↑ 🚮 → SD Card (D:)				5 v	Search SD Card (	(D:)
Ornanize 💌 New folder					8== 👻	
Signific Previolation	∧ Name	Ŷ	Date modified	Time	Size	
🖈 Quick access			01/01/2006 00:00	EES Eile	126'076 KR	
neDrive - Honeywell	SAIAFSYS.FFS	•	01/01/2006 00:00	FFS File	126'976 KB	
This PC	System Volum	ne Information	28/06/2023 14:23	File folder		
3D Objects						
Desktop						
Documents						
Downloads						
Music						
E Pictures						
🚆 Videos						
GSDisk (C:)						
SD Card (D:)						
hbt_bcb_nl69_sz64 (\\nl69st1009) (Z:)						
50 SD Card (D:)						
System Volume Information	•					
File name: SAIANTES.EES				~	SBC SD Images(*.ffs)	
				[	Onen	Cancel
				L	Open	Cancer
					_	
Saia PG5 SD Flash Explorer - SAIANT	19419					
Saia PG5 SD Flash Explorer - SAIANT						
Saia PG5 SD Flash Explorer - SAIANT le View Action Options H	lelp					
Saia PG5 SD Flash Explorer - SAIANT le View Action Options H 🔙 😭	lelp					
Saia PG5 SD Flash Explorer - SAIANT le View Action Options H III IIII IIIII IIIIIIIIIIIIIIIIIIIII	lelp /B					
Saia PG5 SD Flash Explorer - SAIANT le View Action Options H IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	lelp NB	Space[KB	8] Used=80.0 Free=	126832.0		
Saia PG5 SD Flash Explorer - SAIANT le View Action Options H Image for the system Size: 124 M Rash File System Version: New	lelp /B	Space[KB	8] Used=80.0 Free=	126832.0		
Saia PG5 SD Flash Explorer - SAIANT le View Action Options H I I IIII IIIIIIIIIIIIIIIIIIIIIIIIIII	felp IB	Space[KE	3] Used=80.0 Free= 6 Group	126832.0 Creation	Modifica	tion
Saia PGS SD Flash Explorer - SAIANT le View Action Options H le le l	telp 1B	Space[KB ize Access	8] Used=80.0 Free= 8 Group	126832.0 Creation	Modifica	tion
Saia PGS SD Flash Explorer - SAIANT ile View Action Options H Reah File System Size: 124 M Flash File System Version: New e name SD File System CONFIG	Help MB	Space[KB ize Access RWX	)] Used=80.0 Free= s Group CONFG	126832.0 Creation 01.01.1990.00	Modifica	tion



Choose File -> Restore

💕 Open									×
← → * ↑	→ This PC	→ Desktop → back	kup		5 v	,⊂ Sea	arch backup		
Organize 🔻 🕴	New folder								?
3D Objects			^	Name		^		Status	
📃 Desktop				SDFS_20	231129_111	245.backup		Ø	
Documents	5				_				
🕹 Downloads									
b Music									
Pictures				(		_			
_	File name:	SDFS_20231129_111	245	.backup	~	Backup	file (*.backup)		~
						Ор	en	Cancel	

You have to select the SDFS\_\*.backup file that you have created before This file contains the "INTFLASH" Filesystem

# Click "Open"

The files from the backup are restored to the uSD card.

🖇 Saia PG5 SD Flash Explorer - SAIANTF	S.FFS							
File View Action Options He	elp							
≝ 🔲 🖆								
Flash File System Size:         124 MB         Space[KB]         Used=1160.0         Free=125752.0           Rash File System Version:         New         Space[KB]         Used=1160.0         Free=125752.0								
File name	Size	Access	Group	Creation	Modification			
□→ SD File System								
- CONFIG		RWX	CONFG	01.01.1990 00:00				
- WEBPAGES		RWX	WEBG	01.01.1990 00:00				
TREND		RWX	WEBG	28.11.2023 12:49				
<ul> <li>LOGFILE_D231128.CSV</li> </ul>	2432	RW	WEBG	28.11.2023 12:49	28.11.2023 14:26			
- LOGFILE.LST	80	RW	WEBG	28.11.2023 12:49	28.11.2023 12:49			
- LOGFILE2_D231128.CSV	1985	RW	WEBG	28.11.2023 13:54	28.11.2023 14:26			
LOGFILE2.LST	80	RW	WEBG	28.11.2023 13:54	28.11.2023 13:54			
— \$CI_16ESBP9.GIF	2258	RW	NO_GROUP	28.11.2023 14:04	28.11.2023 14:04			
Restore started, wait Restore finished			1					

Choose File -> Save

5. Now you can remove the uSD card, put it back to the PCD using the procedure described in the document "Replace uSD memory card on PCD1.Mxxxx"). You can finish the procedure, mount the cover and continue with the commissioning of the PCD.