

Network file Sharing on SIGLENT Performance Oscilloscopes

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INTRODUCTION

There are a number of applications for sharing data and files between instruments and computers for data archival and analysis. SIGLENT's performance oscilloscopes provide a set of tools for connecting data locations over the network.

These instruments provide the ability to either share their local files (SERVER) or to access remote drives (CLIENT) via the LAN network. Here are the available modes:

Instrument Series	Server Mode	Client Mode
SDS800X HD	YES	YES
SDS1000X HD	YES	YES
SDS2000X HD		YES
SDS3000X HD	YES	YES
SDS6000A	YES	YES
SDS7000A	YES	YES

Here are the instructions for setting up the modes within each instrument.

For SERVER, Set the IO window as follows:

In the SDS6000A:

This is the Utility/Service/Share File menu

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ê,	Analysis			SIGLENT f(C1) < 2.	Auto 0Hz	₿ SER'	VICE
) SI	hare File					Web	
	✓ Runing Directory:\\192	.168.1.3	I	Z Start Up		Network Ma	apping
	User:	ShareUser		Deed		Emulation Tektronix	None
	Password:			Reset		LXI	
						Share File	
+						S Ref	urn

On the SDS7000A, it is in: UTILITY / SERVICE / SMB FILE SHARE / SERVER

	4GHz-12Bit 500Mpts Memory	SIGLENT Auto f(C2) < 2.0Hz	SMB File Share
Share File			Server
Runing		Start Up	Client
Server Path2: \\0.0.0.0	+1		
Username: ShareUser			Return
Password:			

Leave the default user and no password for easy access.



When activated with the blue checks you can then access the folder in explorer or thru a file sharing tool like this:

Drive is: \\<IP_ADDRESS>\share

Like this: 192.168.1.3share

🐴 \\192.168.1.3\share\ – V	VinSCP							- (
Left Mark Files Commar	nds Tabs Op	otions Right Help							
💀 📰 📰 Synchronize	> 🛃	😳 💣 Queue 👻	Transfer Settings Default		• 🧝 •				
🚞 \\192.168.1.3\ – Docum	ments 🗳 N	lew Tab 👻							
\\192.168.1.3\share	- 1	🖥 🕶 💌 🕈	🔒 🔂 🔚 🖛 • 🔶 •		C: Windows-SSD		• 🖆 🗈 🔝 🏠 Ġ	🖹 Find Files 🛼 🖡	• • •
🖗 Copy 🔹 📝 Edit 🔹 🕽	< 🛃 🔂 Pr	operties 👻 📴 New 🖲	+ - V		🕼 Copy - 📝 Edit - 🕽	X 🛃 🔂 Pr	operties 👻 🎦 New 🗸		
\\192.168.1.3\share\					C:\Users\Chris Armstrong\D	ocuments\			
Name	Size	Туре	Changed		Name	Size	Туре	Changed	
SIGLENT		File folder	11/22/2022 11:41:37 AM		1		Parent directory	3/7/2023 6:28:42 PM	
imsspi	0 KB	File	6/12/2023 4:34:16 PM						
Radarchirp.xml	198 KB	Microsoft Edge HT	10/13/2022 11:31:47 AM						
Ref_fileA.ref	9 KB	REF File	1/31/2023 5:48:02 PM						
C SDS00001.xml	151 KB	Microsoft Edge HT	10/27/2021 5:33:36 AM						
CSDS6104A_Setup_1.x	198 KB	Microsoft Edge HT	1/31/2023 6:12:43 PM						
CSDS6104A_Setup_2.x	205 KB	Microsoft Edge HT	6/12/2023 4:34:44 PM						
0 B of 759 KB in 0 of 7				1 hidden	0 B of 0 B in 0 of 0				3 hidden
									. E.

Or directly in Explorer:

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📜 share	× +	- 🗆 X
🕂 New 🔏 🗘	Î ▲ I Sort ×	
\leftarrow \rightarrow \checkmark \uparrow 🖢 > Net	twork > 192.168.1.241 > share ~ C	Search 🔎
📒 Demo_checkIn_form: 🖈	Name ^	Date modified
	📒 ct_usb	5/22/2023 8:48 AM
🗸 📮 This PC	SDS7404A_H12_Usb_Test_Report_1.file	5/22/2023 8:47 AM
> 📲 Apple iPhone	SIGLENT	5/20/2023 4:37 AM
> 🚢 Windows-SSD (C:)	📁 smh1.file	5/22/2023 8:47 AM
> 🕳 ARMSTRONG (D:)	USB_TEST	5/22/2023 8:48 AM
> 🛃 SDHC Card (E:)	eye1.smsk	8/4/2023 12:27 AM
✓ 🚔 ARMSTRONG (D:)	SDS7404A_H12_Mask_Editor_1.smsk	5/20/2023 4:25 AM
> 📜 Android	SDS7404A_H12_Mask_Editor_2.smsk	5/20/2023 4:28 AM
HPSCANS	SDS7404A_H12_Mask_Editor_3.smsk	5/20/2023 4:35 AM
LOST.DIR	SDS7404A_H12_Mask_Editor_4.smsk	6/13/2023 5:31 PM
SIGLENT	SDS7404A_H12_Mask_Editor_5.smsk	6/13/2023 5:36 PM
SNA5000X_V1.0.0.2.11	SDS7404A_H12_Mask_Editor_6.smsk	6/14/2023 12:54 AN
> 🛃 SDHC Card (E:)	SDS/404A_H12_Mask_Editor_7.smsk	0/15/2023 1:18 AM
🗸 🛬 Network	SDS7404A_H12_Wask_taitor_o.smsk	5/22/2023 12:20 AIV
> 💻 192.168.1.241		5/22/2023 0.47 AM
> 💻 CKDHA	V 3000	J, LL, LULJ 0.47 MW
16 items		

On the SDS2000X HD, SDS6000A, or SDS7000A you may also mount a drive from your PC. This is called SMB File Share CLIENT mode.

The UI looks like this on the SDS2000X HD. It is under SMB FILE SHARE/ CLIENT:

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A!	weet ON 4D 1	-	V t	R							Client	
MIC	Junt SMB I	-lie Share										
	SMB File	e Share Pa	irametei	rs:			🗌 Auto	Conne	ect	— — - Y2	Ð	Return
	Drive L	etter: I:								<u>-</u> ¥1		
	Server	Path										
	//192.1	68.1.102/	testfolde	er		🔽 R	emembe	r Settinį	gs			
	Format	://server/s	hare									
	Userna	me:				Z R	emembe	r Settinį	gs			
	Passwo	ord:				🔽 R	emembe	r Settinį	gs			
	🗌 Ano	nymous										
						Con	inect	Discon	nnect			

On the SDS6000A it looks like this and is found in SERVICE / NETWORK MAPPING:

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🔄 Analysis			f(C1) < 2.0H	Auto z	SERVICE
Network Mapping					Web
Storage Config Drive: Directory	9				Network Mapping
Example://se	rver/share		Remember		Emulation Tektronix None
Vsername:	bus				LXI
Password:	nect after power on				Share File
t	÷	Con	Disconnect		Seturn

On the SDS7000A it is under SMB FILE SHARE/ CLIENT:

		Auto Connect
Drive Letter:	l:	
Server Path		
//192.1	68.1.102/testfolder	Remember Settings
Format://server/ Username:	/share	
Password:		

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To share with a folder on Windows, you would likely need to turn off firewall protection, share the folder with read/write permission for EVERYONE, and turn off the Password protection sharing like this:



Once that connects, you can access files on the PC from your Oscilloscope.

You can always find the File Manager on your oscilloscope by going to: UTILITY/ SAVE/RECALL / File Manager:







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