

Network file Sharing on SIGLENT Performance Oscilloscopes

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

ଶ୍ଚ	Analysis			SIGLENT f(C1) < 2.	Auto 0Hz	🗐 SER	VICE
Y Sł	nare File					Web	
	✓ Runii Directory	ng /:\\192.168.:	1.3	🗸 Start Up		Network Ma	apping
	User:	Sha	reUser			Emulation	
	Passwor	d:		Reset		Tektronix	None
						LXI	
				 		Share File	
+ + +						S Rei	turn



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	2	Start Up	Client
Server Path1: \\192.168.1.24	+1		Client
Server Path2: \\0.0.0.0			_
Username: ShareUser			S Return
Password:			-+-
			1

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: <u>\\<IP_ADDRESS>\share</u>

Like this: <u>\\192.168.1.3\share\</u>

💁 \\192.168.1.3\share\ – W	/inSCP							- 0	>
Left Mark Files Comman	ds Tabs Op	tions Right Help							
🖶 📰 📰 Synchronize		🔯 💣 Queue 👻	Transfer Settings Default		• <u> </u> •				
■ \\192.168.1.3\ – Docum	nents 🗳 N	ew Tab 👻							
\\192.168.1.3\share	- 🗂	🖥 • 🝸 • 🔝 🔝 1	🔓 🔂 🔚 🗲 🕶 🚽		C: Windows-SSD		· 🖆 🖻 🖻 🕈	🔒 🖹 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\			
lame	Size	Туре	Changed		Name	Size	Туре	Changed	
SIGLENT		File folder	11/22/2022 11:41:37 AM		t		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						
SDS00001.xml	151 KB	Microsoft Edge HT	10/27/2021 5:33:36 AM						
SDS6104A_Setup_1.x	198 KB	Microsoft Edge HT	1/31/2023 6:12:43 PM						
SDS6104A_Setup_2.x	205 KB	Microsoft Edge HT	6/12/2023 4:34:44 PM						
B of 759 KB in 0 of 7				1 hidden	0 B of 0 B in 0 of 0				3 hid



Or directly in Explorer:

📜 share	× +	– 🗆 ×
🕀 New	(1) (▲) (□) (↓ Sort ~	
\leftarrow \rightarrow \checkmark \uparrow 🖢 \triangleright 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
> 늘 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
	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:)	SDS7404A_H12_Mask_Editor_7.smsk SDS7404A_H12_Mask_Editor_8.smsk	6/15/2023 1:18 AM 8/4/2023 12:26 AM
🗸 🛬 Network	SDS7404A_H12_Usb_Test_Report_1	5/22/2023 8:47 AM
> 💻 192.168.1.241	smh1	5/22/2023 8:47 AM
> 💻 CKDHA	•	_,,,, , , , , , , , , , , , ,
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	t is under SMB FILE SHARE/ CLIENT:
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🏲 Trigger 🛛 🛱 Cursors	📐 Measure	🕅 Math	🖻 Analysis	SIGLENT f (C1) < 2.0		📋 SMB File Share
	R				с	lient
Mount SMB File Share	neters:		🗌 Auto Conn	nect	- <u></u>	S Return
Drive Letter: I: Server Path					- \ 1	
//192.168.1.102/tes Format://server/shar		R	emember Settii	ngs		
Username:			emember Setti			
Password:		RI	emember Settii	ngs		
		Con	nect Disco	onnect		



🖎 Analysis			SIGLEN I f(C1) < 2	Auto .0Hz	SER SER	/ICE
Network Mapping					Web	
Storage Config Drive: Directory	l:				Network Ma	apping
Example://serve	r/share		Remember		Emulation Tektronix	None
Anonymous Username:					LXI	
Password:	t after power on				Share File	
1		Conr	Disconnect		S Ret	urn

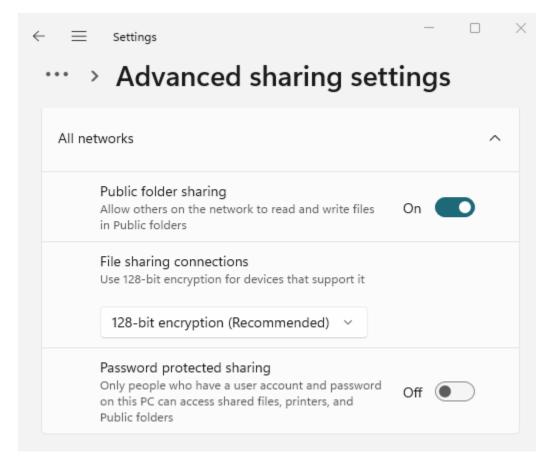
On the SDS6000A it looks like this and is found in SERVICE / NETWORK MAPPING:

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

		Aut	o Connect
Drive Letter:	l:		
Server Path			
//192.10	8.1.102/testfolder	Remembe	er Settings
Format://server/	share		
Username:			
Password:			
Z Anonymous			



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:

