

FAQ GeoDAS Firewall and Port Settings

1. Introduction

• This procedure describes what firewall settings are needed for GeoDAS and what ports it uses to communicate with instruments.

2. Required Tools

• Windows Computer with GeoDAS installed

3. Check Windows Firewall Settings for GeoDAS

- Open the Windows Search Menu for Programs
- Search for defender
- Open the Windows Defender Firewall with Advanced Security



Choose Inbound Rules

• Scroll to the entries GeoSIG Data Acquisition System

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Double-click on each entry of your current profile, go to the General tab and select the bullet Allow the connection
Click [OK] to apply the rule

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• The entries should now appear with a green checkmark

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P Windows Defender Firewall with	Inbound Rules									
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	Microsoft Office Outlook		Domain	Yes	Allow	No	C:\Program Files\Microsoft Offic	Any	Any	UDP
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- If your GeoSIG instruments connect from outside your local network (e.g. through mobile network with a 4G modem), communication ports from your router will need to be forwarded to your GeoDAS computer.
- will need to be forwarded to your GeoDAS computer.
 Available settings are depending on the router manufacturer, usually they can be found under Firewall or Port Forwarding
 Below a list of default ports used by GeoSIG instruments

Port	Protocol	Description	More Information
3456	TCP/IP	File upload	Instrument uploads files (e.g. SOH, RBF, TRG) to GeoDAS
80	TCP/IP	Webinterface	Webinterface of instrument can be accessed on this port in local network
4001	TCP/IP	Datastream	Datastream from instrument to GeoDAS in local network (default port for first 3 channels)
54204	TCP/IP	Permanent Link	Tunnel port for webinterface access and datastream (outside local network)
31256	UDP	Trigger Notification	Info about triggered event can be sent to GeoDAS to show a notification (e.g. Pop-up window or E-mail)
22	TCP/IP	SSH	Secure Shell access, WinSCP or SFTP tools can access the instrument on this port to transfer files
123	UDP	NTP	Time Synchronization through Network Time Protocol (NTP), Intrument can contact time server on this port
587	TCP/IP	E-Mail Notification	GeoDAS can send e-mail notifications through a SMTP server, port can be different depending on server

6. (Optional) Changing Default Port for File Upload

• The default port 3456 can be changed on the instrument under Configuration -> Communication Parameters -> Server Parameters -> Port

ome Configurati	on Status and Maintenance	Data Explorer	Help Logout	t GeoSIG
Data Acquisition	Configuration Manager	Network Web Inte	erface	
Main menu Com	munication Server			
Server IP Address		192.168	.100.11	
Protocol		Custom		~ (1)
Port		3456		
Transfer timeout, sec		20		
Keep connected to the	e server			1
Server port for permar	nent links	54204		
Always connect to this	server			•
Connect failures befor	re network error	0		
	Back Lo	ad from Device Save	Changes Apply and Resta	rt

• The default port 3456 can be changed in GeoDAS under Settings -> Configure Stations -> [Server...]

	110						
Station inactivity per	period (minutes) considered as warning 30 or error R						
Life time of any f	iles other than data amiving from stations, days		0				
Maximum size c	f State-of-Health statistics files, KBytes		0				
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unt of stations triggere	d and delivered their event files recorded within	certain time fra	me				
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• confirm with ok and restart geodas to apply the change

7. (Optional) Changing Default Port for Permanent Link

• The default port 54204 can be changed on the instrument under Configuration -> Communication Parameters -> Server Parameters -> Server port for permanent links

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Data Acquisition Configuration Manag	er Network Web	Interface	
Main menu Communication Serve	-		
Server IP Address	192.1	68.100.11	
Protocol	Custo	m	→ ()
Port	3456		
Transfer timeout, sec	20		
Keep connected to the server			1
Server port for permanent links	54204	1	
Always connect to this server			0
Connect failures before network error	0		
B	ack Load from Device Sa	ve Changes Apply and Restart	

• The default port 54204 can be changed in In GeoDAS window Stations: General Information, right-click on a station and choose Network Tunnels...

oDAS	base server port for netwo ded Remote Services	rk data tunelling	54204		
N	Service Description	Remote Port	Local Port	Status	 _

• confirm with ok and restart geodas to apply the change