

MIVO Connect network port usage

Version number	Date	Description	By
001	2022-03-31	Initial Release	IL
002	2022-04-01	Added default servers for outbound ports. Added DNS & ICMP ping for outbound ports.	IL
003	2022-12-21	Added MIVO Connect Easy Access outbound ports and more integrations	IL

Introduction

The MIVO Connect is a sensor gateway where one of the key features is to collect local sensors and meters connected to local interfaces and pass the information on to a central system. This document contains a description of the network ports used by the MIVO Connect WAN interface.

Inbound ports

Port	Type	Description	Default on?	Can be disabled?
68	UDP	DHCP client response port	X	
80	TCP	Web interface	X	X
502	TCP	Modbus TCP server	X	
1194	UDP	OpenVPN server		X
2020	TCP	SSH server for troubleshooting		X
5355	TCP/UDP	LLMNR/mDNS (hostname lookup)	X	X
10001	TCP	M-Bus over IP server	X	

Outbound ports

Port	Type	Description	Default servers	Consequence if blocked
N/A	ICMP ping	Ping test for determining if internet is reachable.	www.google.com	Network status overview page will show that internet is not reachable
53	UDP TCP	DNS requests	1.1.1.1 1.0.0.1 8.8.8.8 8.8.4.4	Domain name resolution will not work.
67	UDP	DHCP request port	Auto detected	Static IP settings must be used.
80	TCP	Manually triggered update check	update.mivo.se	Software update will not work.
123	UDP	NTP (Time synchronization)	pool.ntp.org time1.google.com time2.google.com time3.google.com time4.google.com	Automatic time synchronization will not work. Time can however be set manually but this will result in clock drift after a while.
443	HTTPS	MIVO Connect Easy Access API channel	device-api.mivo.se	MIVO Connect Easy Access can't be activated.
2022	UDP	MIVO Connect Easy Access traffic channel (encrypted)	159.223.224.194	MIVO Connect Easy Access wont work.

Outbound ports for value reports and integrations

The MIVO Connect has the possibility to send value reports to different systems. In what way these value reports are sent and which port they will use can be configured per report.

Report type	Transport type	Port
Elvaco 2102	FTP	Configurable (21 default)
Elvaco 3105	HTTP or HTTPS	Configurable
MIVO JSON	HTTP or HTTPS	Configurable
Momentum Energi	FTP	Configurable (21 default)