

**Legend:**

**Network directions**

⇒	Incoming network traffic	(Network ⇒ uniFLOW)
⇐	Outgoing network traffic	(Network ⇐ uniFLOW)
↔	Incoming and outgoing network traffic	(Network ↔ uniFLOW)

**UDP** = User Datagram Protocol: Ports using only UDP (all others are using UDP and TCP).

**R** = Required: This status marks a port that uniFLOW requires. There are two main symbols:

- uniFLOW requires this port.
- uniFLOW does not require this port. It is only used if the service or device is used.

**Abbreviations**

CPCA	Canon Peripheral Controlling Architecture
FTP	File Transfer Protocol
HTTP	Hyper Text Transfer Protocol
HTTPS	Hyper Text Transfer Protocol Secure
IPP	Internet Printing Protocols
LDAP	Lightweight Directory Access Protocol
LPR	Line Printer Remote
MIND	Modular Identification Network Device
POP3	Post Office Protocol Version 3
SMB	Server Message Block
SMTP	Simple Mail Transfer Protocol
SNMP	Simple Network Management Protocol
SQL	Structured Query Language

## Network Ports of the uniFLOW Server

The following ports can be used by uniFLOW, **not all** are necessary!  
Whether these ports are required **depends** on the requirements of the customer.

R	Port	Name	Description	Note
<b>General use</b>				
<input checked="" type="checkbox"/>	↔ 80	HTTP	Web services of uniFLOW. Almost the whole communication from uniFLOW uses this port.	Needed for the general use of uniFLOW.
<input checked="" type="checkbox"/>	↔ 8000 ↔ 8080	HTTP HTTPS Alternate	These ports can also be used for the uniFLOW web services.	Needed for the general use of uniFLOW if configured.
<input checked="" type="checkbox"/>	↔8000	HTTP Alternate	The embedded RPS web server runs by default on this port.	Needed for uniFLOW if RPS is used, can vary
<input checked="" type="checkbox"/>	↔8000	HTTP Alternate	The embedded uniFLOW web server runs by default on this port.	Needed for uniFLOW (uniFLOW Version 4.1 onwards) for MEAP and MomClient communication.
<input checked="" type="checkbox"/>	⇒53125	UDP	The uniFLOW server is listening on this port for requests from clients	Needed for the general use of uniFLOW.
<b>MIND communication</b>				
<input checked="" type="checkbox"/>	↔ 20	FTP Data	Upload/update of the MIND software.	Only needed when using MINDs.
<input checked="" type="checkbox"/>	↔ 21	FTP Control	Upload/update of the MIND software.	Only needed when using MINDs.
<input checked="" type="checkbox"/>	↔ 23	Telnet	Accessing and debugging a MIND via Telnet.	Only for debugging MINDs.
<input checked="" type="checkbox"/>	↔53120	UDP MIND	Communication with the uniFLOW server. The uniFLOW server detects all MINDs in a Network with this port.	Only needed when using MINDs.
<b>microMIND communication</b>				
<input checked="" type="checkbox"/>	↔ 80	TCP Firmware Data	Upload/update of the microMIND software.	Only needed when using microMINDs.
<input checked="" type="checkbox"/>	↔53120	UDP microMIND	Communication with the uniFLOW server. The uniFLOW server detects all microMINDs in a Network with this port.	Only needed when using microMINDs.
<input checked="" type="checkbox"/>	↔53215	TCP Telnet	Accessing and debugging a microMIND via Telnet.	Only for debugging microMINDs.
<b>Sending Emails</b>				
<input checked="" type="checkbox"/>	↔ 25	SMTP	Sending Emails from the uniFLOW server to users or administrators, such as Budget messages, Web Queue messages, etc	Only needed when using the uniFLOW mail system.
<input checked="" type="checkbox"/>	↔ 110	POP3	Needed for the identification of a POP3 account for sending mails thru the SMTP port. Port 25 needs to be open, too.	Only needed when using the uniFLOW mail system.
<b>MEAP Net</b>				
<input checked="" type="checkbox"/>	↔53213	UDP	Communication with the uniFLOW server. The uniFLOW server detects all MEAP applets in the network with this port.	Only needed when using the uniFLOW MEAP applet.
<input checked="" type="checkbox"/>	↔ 8000	TCP	Communication with uniFLOW MEAP applets (version 2.x onwards)	Only needed when using the uniFLOW MEAP applet.
<input checked="" type="checkbox"/>	↔ 8443	TCP	Communication with uniFLOW MEAP applets when using HTTPS (version 2.x onwards)	Only needed when using the uniFLOW MEAP applet.

R	Port	Name	Description	Note
<b>MEAP Net</b>				
<input checked="" type="checkbox"/>	↔ 53213	TCP	Techsupport Log of uniFLOW MEAP Client	Only needed when using the uniFLOW MEAP applet.
<input checked="" type="checkbox"/>	↔ 53214	TCP	Techsupport Log of uniFLOW Login Manager	Only needed when using the uniFLOW MEAP applet.
<b>CMFP communication</b>				
<input checked="" type="checkbox"/>	↔53216	UDP	Communication with the uniFLOW server. The uniFLOW server detects all CMFP applets in the network with this port.	Only needed when using the uniFLOW CMFP applets. (uniFLOW Version 5.0 onwards).
<b>Special purposes</b>				
<input checked="" type="checkbox"/>	↔ 118	SQL Services	Used only when an external SQL database server is used, but the port can vary. For detailed information always ask the customer.	Needed for general use of uniFLOW when using an external SQL server.
<input checked="" type="checkbox"/>	↔53161	UDP	Used for getting counter stats and the status control of some printers/copiers via SNMP requests.	Only needed when using accordingly devices and device agents.
<input checked="" type="checkbox"/>	↔ 389	LDAP	Importing user data from an existing LDAP or Active Directory server. This port is also used in special configuration with the MAC client	Only needed when importing data this way.
<input checked="" type="checkbox"/>	↔ 1433	Microsoft SQL Server	Used only when an external Microsoft SQL server is used, but the port can vary. For detailed information always ask the customer.	Needed for general use of uniFLOW when using an external SQL server.
<input checked="" type="checkbox"/>	⇒ 445	TCP	MEAP device will try to connect the uniFLOW Server via this port to check availability.	Needed for Emergency Access to devices (uniFLOW Version 4.1 onwards).
<input checked="" type="checkbox"/>	↔8001	TCP	If the uniFLOW Scan Processing Server is used, this port is required for the MomSpaceSuit.exe service.	Needed for the Scanning functionality of uniFLOW (uniFLOW Version 5.0 onwards).
<input checked="" type="checkbox"/>	↔ 1434	Microsoft SQL Monitor	Used only when an external Microsoft SQL server is used for the SQL monitoring.	Needed for general use of uniFLOW when using an external SQL server and monitoring is required.
<input checked="" type="checkbox"/>	↔ 1639	PayCon	Used only for the communication between the server and an IPC PayCon device.	Only needed when using a PayCon.
<input checked="" type="checkbox"/>	↔ 9007	<b>UDP/TCP</b>	CPCA communication with the uniFLOW server.	Needed for the general use of uniFLOW to read out CPCA devices
<input checked="" type="checkbox"/>	↔ 137-139	TCP	Net Send messages	Needed if you configure net send popups in uniFLOW.
<input checked="" type="checkbox"/>	↔ 47545	<b>UDP/CPCA</b>	Used only by Canon devices for status control or copy log read outs.	Only needed when using corresponding devices and device agents.
<input checked="" type="checkbox"/>	↔ 9425	TCP	Used only by eCopy SSOP Identification Service. Default setting, which can be changed.	Only needed when using corresponding devices and device agents.
<input checked="" type="checkbox"/>	↔ 5353	UDP	uniFLOW Mobile Print Service for iPad or iPhone.	Only needed when this service is used. (uniFLOW Version 5.1 onwards).
<input checked="" type="checkbox"/>	↔ 631	TCP	uniFLOW Mobile Print Service for iPad or iPhone.	Only needed when this service is used. (uniFLOW Version 5.1 onwards).
<input checked="" type="checkbox"/>	↔ 8002	TCP	uniFLOW in a CRQM (Collective Release Queue Management) environment.	Only needed when this service is used. (uniFLOW Version 5.1 onwards).