

UTN products¹: TCP and UDP ports

What Is a Port?

Ports are address components used to match data packets to an application or service. In combination with an IP address and the designated transport protocol (TCP, UDP, etc.) they make up a unique address.

Ports are identified by consecutive numbers, the port number. A port number is 16-bit number, i.e. there are 65535 ports. Port numbers are managed by IANA (Internet Assigned Numbers Authority) and divided as follows:

- 0–1023 System ports (also known as 'well known ports'). They are reserved for certain services as defined in RFC 3232.
- 1024–49151 Ports that may be assigned upon request by manufacturers.
- 49152–65535 Dynamic (or private) ports. They are allocated dynamically by the operating system

Which Ports Do the UTN Products Use?

For security reasons ports are often blocked, e.g. with help of a firewall. Access is therefore denied. This means however, that the function associated with the port number can no longer be used.

UTN products use different protocols and ports for the UTN (USB to Network) functionality. In order use UTN in its entire functional range, the following ports must be open:

Function	Protocol (Application)	TCP/IP Port	UDP Port
UTN communication (UTN port): Data transfer between SEH UTN Manager (on the client) and the UTN server.	UTN	9200 ²	–
Encrypted UTN communication (UTN SSL port): The Data transfer between SEH UTN Manager (on the client) and the UTN server is encrypted via SSL/TLS.	UTN SSL	9443 ¹	–
Communication between the service or daemon 'SEH UTN Service' and the UTN bus driver.	UTN	9300, 9301	–
Requesting USB devices which are occupied by other users. (SEH UTN Manager)	UTN	9310	–
Connection to the Control Center via HTTP.	HTTP	80	–
Encrypted connection (SSL/TLS) to the Control Center via HTTPS.	HTTPS	443	–
SEH UTN Manager search for UTN servers in the network.	SLP	–	427
All SNMP based features of the UTN server and SEH UTN Manager. For example the query of the UTN port used or event notifications via SNMP trap.	SNMP	–	161, 162

¹ SEH UTN products are dongleserver Pro, dongleserver ProMAX, utnserver Pro, utnserver ProMAX and INU-100.

² If required, the port can be changed; see UTN products User Manuals (available at <https://www.seh-technology.com/services/downloads.html>).