steelcase inc

074 RW Network Ports used by RoomWizard

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PRODUCTS: RW

SYMPTOMS: The question arises often from customers who restrict open ports on their network, or require firewall rules to access remote servers.   This article explains which the RoomWizard uses.

OS's:

KEYWORDS:

Refer to this table for the ports used by RoomWizard.

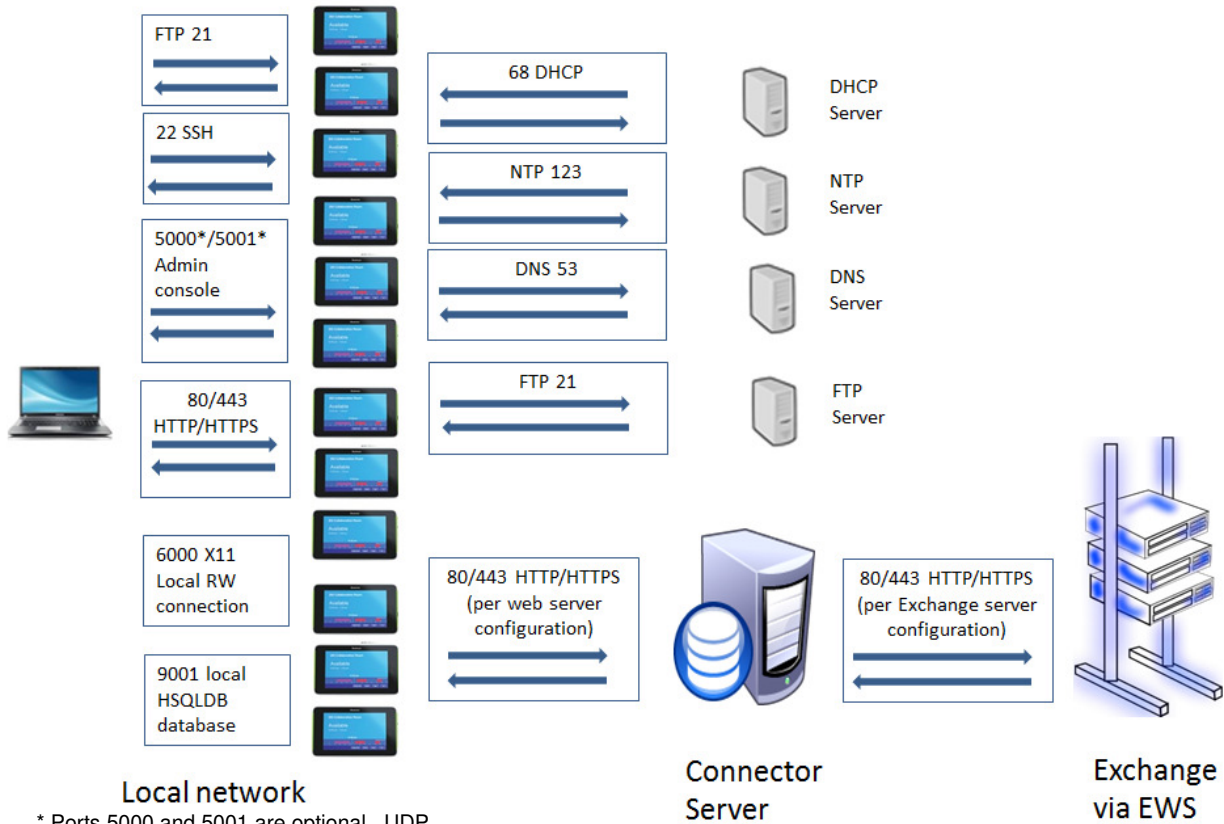| TCP/UDP	Port Number	Function	Source	Destination
TCP	9001	hsqldb	RW	RW (HSQLDB database)
TCP	80	HTTP	RW RW Epiphany / Any Desktop browser	Connector (Web server) RW (Jetty Webserver)
TCP	443	SSL	When RW configured RW in HTTPS/SSL mode RW RW Epiphany / Any Desktop browser	When the connector is configured in HTTPS/SSL mode Connector (Web server) RW (Jetty Webserver)
TCP	6000	X11	RW	RW (XServer – Graphical display system on RW)
TCP	53	DNS	RW	Configured DNS server on Device-> Network page.

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TCP	21	FTP	RW Admin Console Desktop Browser	FTP server RW RW
TCP	22	SSH	Desktop/SSH client (eg. Putty/Telnet)	RW
UDP	53	DNS	RW	Configured DNS server on Device-> Network page.
UDP	68	BootPC - DHCP	RW	DHCP server
UDP	123	NTP	RW	Configured NTP server
UDP	5000*	RW Admin Console	Admin Console (PC)	RW
UDP	5001*	RW Admin Console	RW	Admin Console (PC)

 * Ports 5000 and 5001 are optional.   With these ports open and UDP broadcast enabled on the network, the RW Administrative Console will find the RoomWizards quicker during a search operation than without them open.

System in diagram form

FTP 21

22 SSH

5000*/5001* Admin console

80/443 HTTP/HTTPS

6000 X11 Local RW connection

9001 local HSQLDB database

68 DHCP

NTP 123

DNS 53

FTP 21

DHCP Server

NTP Server

DNS Server

FTP Server

80/443 HTTP/HTTPS (per web server configuration)

80/443 HTTP/HTTPS (per Exchange server configuration)

Local network

Connector Server

Exchange via EWS

* Ports 5000 and 5001 are optional. UDP
  broadcast must also be enabled on the network
  for faster search results.