

**Table 1 - Port Usage**

Port	Type	Direction	Function	Open	Notes
389 443 3268	TCP	Both	Command	Required	For best performance, it is recommended that ports 389, 443, and 3268 are open. At a minimum, one of the three needs to be open for the gateway to function properly. If only one port is open and that port is used by another application, the ShareLink 200 will not function properly.
445 515 8080	TCP	Both	Data	Required	This port is used for screen data.
1041	TCP	Outbound	Video	Required	This port is used for video data.
1047 1048 1049	UDP	Inbound	Discovery	Optional	These ports are used for discovery of the gateway. If closed, the discovery process could be impacted.
1688	TCP	Both	Audio	Recommended	This port is used for audio data.
2869 49152 49153	TCP	Both	DLNA	Required	These ports are used for streaming video data to the ShareLink 200.
1900 50000 - 65000	UDP	Both	DLNA	Required	These ports are used for streaming video data to the ShareLink 200.
21	TCP	Both	Update utility	Optional	This port is used for batch updates of firmware.
80	TCP	Both	Web services	Required	This port is used to access the embedded webpages.
42891 42892	TCP	Both	Update utility	Required	These ports are used for batch update of firmware.
1689	TCP	Both	Debug	Optional	This port is used for the debugging log.
19996	TCP	Both	Command	Required	This port is required for Moderator control.
31865	TCP	Both	Data	Optional	This port is used by Android mobile devices.
137	UDP	Both	NetBIOS	Optional	This port is used by NetBIOS for naming service.
161	UDP	Both	SNMP	Optional	This port is used for SNMP management.