

# Cisco (ex-TANDBERG)

## IP & SIP Communication Ports

Below are the ports that need to be opened bi-directionally on your firewall for a standalone MXP F8.X or higher endpoint, to successfully make & receive calls to other H323 based endpoints.

H323 Non-Traversal Ports – F8.X Or Higher			
Function	Port/Range	Type	Direction
Gatekeeper Discovery (RAS)	1719	UDP	↔
Q.931 Call Setup	1720	TCP	↔
H.245 Range	5555-5574	TCP	↔
Video, Audio & Data/FECC Range	2326-2485	UDP	↔

Below are the ports that need to be opened bi-directionally on your firewall for a standalone C series TC2.X or higher endpoint, to successfully make & receive calls to other H323 based endpoints.

H323 Non-Traversal Ports – TC2.X Or Higher			
Function	Port/Range	Type	Direction
Gatekeeper Discovery (RAS)	1719	UDP	↔
Q.931 Call Setup	1720	TCP	↔
H.245 Range	5555-6555	TCP	↔
Video, Audio & Data/FECC Range	2326-2487	UDP	↔

For an MXP or C series endpoint to register to an Expressway/BorderController and successfully make and receive H323 calls you must open the following ports. These ports are opened outbound only with the ability to receive a solicited reply.

H323 Traversal Assent Ports			
Function	Port/Range	Type	Direction
Gatekeeper Discovery (RAS)	1719	UDP	→
Call Setup/Caps Exchange	2776	TCP	→
RTP Media	2776	UDP	→
RTCP Media	2777	UDP	→

For any Cisco (ex-TANDBERG) SIP device including MOVI & the E20, you must open the following ports outbound only with the ability to receive a solicited reply to register to a VCS Expressway.

SIP Traversal Ports			
Function	Port/Range	Type	Direction
SIP Registration	5060	UDP	→
SIP Registration	5060	TCP	→
TLS SIP Registration	5061	TCP	→
Media RTP/TCP	50000-52399	UDP	→