



## Default Port Ranges

The following defaults are used throughout this document. Default port ranges may occasionally change (if unavoidable) as new features are developed. Our documents list the current default ports for the given version number.



**Note** In some cases throughout this document we list port ranges used by third party infrastructure. These are default values and we cannot guarantee that these are correct for your environment. We recommend you follow the supplier's documentation to configure those connections.

**Table 1: Default Port Ranges on Expressway**

Protocol	Purpose	Current Range	Details
TCP	Ephemeral ports	1024-65535	Outbound HTTP/S, LDAP
UDP	Ephemeral ports	1024-65535	DNS, outbound TURN requests
TCP	Ephemeral ports	30000-35999	
UDP	Ephemeral ports	30000-35999	
TCP	Outbound SIP	25000-29999	
UDP&TCP	Inbound TURN requests on Small/Medium Expressway-E	3478	On Expressway-E only. Configurable to 443 or any port $\geq 1024$

Protocol	Purpose	Current Range	Details
UDP&TCP	Inbound TURN requests on Large Expressway-E	3478-3483	<p>On Large Expressway-E only. Configurable to a six port range with first port <math>\geq 1024</math>.</p> <p>Configurable to a single port, if port multiplexing is enabled. For more information on TURN port multiplexing, see the <a href="#">Expressway Administrator Guide</a></p>
TCP	Inbound TCP TURN request on Cisco Expressway-E	443	On Expressway-E only if TCP 443 TURN service is enabled.
UDP	TURN relays	24000-29999	On Expressway-E only.
UDP	RTP/RTCP media	36000-59999	<p>The range is configurable within the default bounds. E.g., 37000-38200, but not 35000-36200.</p> <p>On S/M Expressway, the first two ports can be used for multiplexed media if you do not use default/custom ports.</p> <p>On L Expressway, the first twelve ports of the range are used for multiplexed media. You cannot customize that subrange.</p>

Protocol	Purpose	Current Range	Details
UDP	Multiplexed media on Small/Medium Expressway-E systems	2776/2777 OR 36000/36001	<p>2776/2777 is older pair but kept as default by the ability to customize when the new default range was introduced with S/M system options. Custom pair is defined on <b>Configuration &gt; Traversal &gt; Ports</b>.</p> <p>On Expressway-E only.</p> <p><b>Note</b> In the connection maps and port references we do not show all the port options for the sake of clarity. For example, if the diagram shows 2776/2777, but you have chosen to use 36000/36001 instead, then you don't need to also open 2776/2777.</p>

Protocol	Purpose	Current Range	Details
UDP	Multiplexed media on Large Expressway-E systems	36000-36011	<p>New range introduced with Large system option. This range is always the first twelve ports of the RTP/RTCP media range, so it will be different if you configure a different media range.</p> <p>On Expressway-E Large OVAs or large scale appliances only.</p> <p><b>Note</b> In the connection maps and port references we do not show all the port options for the sake of clarity. For example, if the diagram shows 2776/2777, but you have a large Expressway, then you should open the first twelve ports of the media range instead of 2776/2777.</p>
TCP	SIP traversal	7001	Configurable. SIP listening port on the first Expressway-E traversal server zone. Subsequent traversal server zones will use incremental port numbers, eg. 7002, by default.

Protocol	Purpose	Current Range	Details
UDP	H.323 traversal	6001	Configurable. H.323 listening port on the first Expressway-E traversal server zone. Subsequent traversal server zones will use incremental port numbers, eg. 6002, by default.

