

Protocol	Metric	Conditions	Talk Time (for CPS)	STXS-256	ALM1000T8	ASM	XMV	Acceleron-XP 1G Non Aggregation (RTP Hw Acc)	Acceleron-XP 10G Aggregation (RTP Hw Acc)
SIP / UDP	Concurent Channels	No Media			16,000	16,000	16000	16000	192,000
SIP / UDP	Concurent Channels	Audio RTP			900	1,000	1,000	8,000	96,000
SIP / UDP	Concurent Channels	Audio SRTP			300	300	300	300	3,200
SIP / UDP	Concurent Channels	Path Confirmation RTP			450	550	550	550	6600
SIP / UDP	Concurent Channels	Path Confirmation SRTP			150	150	150	150	1,600
SIP / UDP	Concurent Channels	Video			190	210	210	210	2,520
SIP / UDP	Concurent Channels	T.38		50	200	220	220	250	2500
SIP / TCP	Concurent Channels	No Media			16,000	16,000	16000	16000	192000
SIP / TCP	Concurent Channels	Audio RTP			900	1,000	1,000	8,000	96,000
SIP / TCP	Concurent Channels	Audio SRTP			300	300	300	300	3,200
SIP / TCP	Concurent Channels	Path Confirmation RTP			450	500	500	500	6,000
SIP / TCP	Concurent Channels	Path Confirmation SRTP			150	150	150	150	1,600
SIP / TCP	Concurent Channels	Video			190	210	210	210	2,520
SIP / TCP	Concurent Channels	T.38		40	180	200	200	230	2300
SIP / TLS	Concurent Channels	No Media			7,000	8,000	8,000	8,000	96,000
SIP / TLS	Concurent Channels	Audio RTP			400	1,000	1,000	8,000	96,000
SIP / TLS	Concurent Channels	Audio SRTP			200	200	200	200	2,400
SIP / TLS	Concurent Channels	Path Confirmation RTP			350	500	500	500	6,000
SIP / TLS	Concurent Channels	Path Confirmation SRTP			100	100	100	100	1,200
SIP / TLS	Concurent Channels	Video			190	210	210	210	2,520
SIP / TLS	Concurent Channels	T.38		40	100	100	100	100	1200
SIP / UDP	CPS	No Media			400	700	700	700	8400
SIP / UDP	CPS	Audio RTP	1 Sec		100	320	320	500	6,000
SIP / UDP	CPS	Audio RTP	30 Sec		25	30	30	150	1,800
SIP / UDP	CPS	Audio RTP	3 Min		4	5	5	40	480
SIP / UDP	CPS	Audio SRTP	1 Sec		50	50	50	50	6,000
SIP / TCP	CPS	No Media			300	500	500	500	6000
SIP / TCP	CPS	Audio RTP	1 Sec		100	300	300	400	4,800
SIP / TCP	CPS	Audio RTP	30 Sec		25	30	30	150	1,800
SIP / TCP	CPS	Audio RTP	3 Min		4	5	5	40	480
SIP / TCP	CPS	Audio SRTP	1 Sec		50	50	50	50	600
SIP / TLS	CPS	No Media			200	400	400	400	4,800
SIP / TLS	CPS	Audio RTP	1 Sec		100	250	250	250	3,000
SIP / TLS	CPS	Audio RTP	30 Sec		23	30	30	130	1560
SIP / TLS	CPS	Audio RTP	3 Min		4	5	5	35	420
SIP / TLS	CPS	Audio SRTP	1 Sec		50	50	50	50	6,000
MGCP	Concurent Channels	No Media			15,000	15,000	15,000	15,000	180,000
MGCP	Concurent Channels	Audio RTP			900	1,000	1,000	8,000	96,000
MGCP	Concurent Channels	Audio SRTP			300	300	300	300	3,200
MGCP	Concurent Channels	Path Confirmation RTP			450	550	550	550	6,600
MGCP	Concurent Channels	Path Confirmation SRTP			150	150	150	150	1,600
MGCP	Concurent Channels	Video		N/A	N/A	N/A	N/A	N/A	N/A
MGCP	Concurent Channels	T.38		N/A	N/A	N/A	N/A	N/A	N/A
MGCP	CPS	No Media			300	500	500	500	6,000
MGCP	CPS	Audio RTP	1 Sec		180	180	180	290	3480
MGCP	CPS	Audio RTP	30 Sec		25	25	25	110	1320
MGCP	CPS	Audio RTP	3 Min		4	4	4	25	300

MGCP	CPS	Audio SRTP	1 Sec			50	50	50	50	600
MGCP	CPS	Video	1 Sec	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MGCP	CPS	Video	30 Sec	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MGCP	CPS	Video	3 Min	N/A	N/A	N/A	N/A	N/A	N/A	N/A
H.323	Concurent Channels	No Media				3,000	15,000	15,000	15,000	192,000
H.323	Concurent Channels	Audio RTP				900	1,000	1,000	8,000	75,000
H.323	Concurent Channels	Audio SRTP								
H.323	Concurent Channels	Path Confirmation RTP								
H.323	Concurent Channels	Path Confirmation SRTP								
H.323	Concurent Channels	Video								
H.323	Concurent Channels	T.38		N/A	N/A	N/A	N/A	N/A	N/A	N/A
H.323	CPS	No Media								
H.323	CPS	Audio RTP	1 Sec							
H.323	CPS	Audio RTP	30 Sec							
H.323	CPS	Audio RTP	3 Min							
H.323	CPS	Audio SRTP	1 Sec							
Skinny	Concurent Channels	No Media				8,000	8,000	8,000	8,000	96,000
Skinny	Concurent Channels	Audio RTP				900	1,000	1,000	8,000	96,000
Skinny	Concurent Channels	Audio SRTP								
Skinny	Concurent Channels	Path Confirmation RTP				450	550	550	550	750
Skinny	Concurent Channels	Path Confirmation SRTP								
Skinny	Concurent Channels	Video		N/A	N/A	N/A	N/A	N/A	N/A	N/A
Skinny	Concurent Channels	T.38		N/A	N/A	N/A	N/A	N/A	N/A	N/A
Skinny	CPS	No Media								
Skinny	CPS	Audio RTP	1 Sec							
Skinny	CPS	Audio RTP	30 Sec							
Skinny	CPS	Audio RTP	3 Min							
Skinny	CPS	Audio SRTP	1 Sec	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Skinny	CPS	Video	1 Sec	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Skinny	CPS	Video	30 Sec	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Skinny	CPS	Video	3 Min	N/A	N/A	N/A	N/A	N/A	N/A	N/A
H.248	Concurent Channels	No Media				16,000	16,000	16000	16000	192,000
H.248	Concurent Channels	Audio RTP				900	1,000	1,000	8,000	96,000
H.248	Concurent Channels	Audio SRTP								
H.248	Concurent Channels	Path Confirmation RTP				450	550	550	550	750
H.248	Concurent Channels	Path Confirmation SRTP								
H.248	Concurent Channels	Video		N/A	N/A	N/A	N/A	N/A	N/A	N/A
H.248	Concurent Channels	T.38		N/A	N/A	N/A	N/A	N/A	N/A	N/A
H.248	CPS	No Media								
H.248	CPS	Audio RTP	1 Sec							
H.248	CPS	Audio RTP	30 Sec							
H.248	CPS	Audio RTP	3 Min							
H.248	CPS	Audio SRTP	1 Sec							
H.248	CPS	Video	1 Sec	N/A	N/A	N/A	N/A	N/A	N/A	N/A
H.248	CPS	Video	30 Sec	N/A	N/A	N/A	N/A	N/A	N/A	N/A
H.248	CPS	Video	3 Min	N/A	N/A	N/A	N/A	N/A	N/A	N/A

1. The values are per port; for Acceleron 10G Aggregation, the performance numbers are for the 10G port aggregating the traffic of all twelve 1G ports on the Acceleron module
2. The CPS values are for the originating port, supposing the calls are terminated by the DUT. If Ixia ports are used to originate and termiante calls, then a pair of ports is needed to achive the specified level of CPS
3. The performances for Audio RTP are for the codec G.711 with ptime = 20ms
4. The performances for Audio and Video are for configurations with MOS enabled, Advanced stats disabled, and RTCP disabled

- 5. T.38 performances are for the following conditions: V17, Non ECM, 200 DPI, A4 Diago image; for V.34 the performances drop with 25%
- 6. N/A means the combination of Media and Signalig Protocols is not available