

| NOTE: [1] All numbers quoted in the table below are measured using a pair of Ixia test ports acting as client and server. In some cases, per port server performance is the limiting factor. Higher performance may be achieved when using IxLoad clients in configurations using ExTerNAI Servers. | | | | | | | | | | | | | | | | | | | | |
|---|------------|---|-----------------|------------|------------|-----------|------------|-----------------|-------------------|--------------------|---------------------|-------------|-------------|-----------------|----------------|-----------------|-----------------|----------------|-----------------|---|
| Protocol | IP Version | Test Objectives | LM1000STXS4-256 | ALM1000T8 | ELM1000ST2 | CPM1000T8 | LSM10GE-01 | LSM1000XMV16-01 | ASM1000XMV12X-N/A | ASM1000XMV12X-1GAM | ASM1000XMV12X-10GAM | IxYukon-NP4 | IxYukon-NP8 | Accleron-XP-N/A | Accleron-XP-1G | Accleron-XP-10G | Accleron-NP-N/A | Accleron-NP-1G | Accleron-NP-10G | Comment |
| HTTP1.1 | IPv4 | Transaction Rate | 11800 | 19500 | 24500 | 20272 | 27225 | 23050 | 22000 | 273735 | 274074 | 135000 | 110000 | N/A | N/A | N/A | 152000 | 500000 | 1800000 | HTTP 1.1 or HTTP 1.0 with keepalive, maximum possible transaction over a connection, 20 concurrent connections per user, 1 Server IP, 1 byte GET |
| HTTP1.1 | IPv4 | Simulated Users | 35875 | 194950 | 194950 | 398859 | 92576 | 195358 | 192358 | 2243092 | 2344296 | 800000 | 800000 | N/A | N/A | N/A | N/A | N/A | N/A | HTTP 1.1 or HTTP 1.0 with keepalive, maximum possible transaction over a connection, 1 concurrent connections per user, 1 Server IP, 1 byte GET, TCP: Send/Recv buffer 1024 |
| HTTP1.1 | IPv4 | Concurrent Connections | 35423 | 194910 | 189950 | 391799 | 86980 | 194950 | 194950 | 2339400 | 2339400 | 800000 | 800000 | 416700 | 5000000 | 5000000 | 833000 | 10000000 | 10000000 | HTTP 1.1 or HTTP 1.0 with keepalive, maximum possible transaction over a connection, 21 concurrent connections per user, 1 Server IP, 1 byte GET, TCP: Send/Recv buffer 1024 |
| HTTP1.1 | IPv4 | Throughput (MBps) | 34 | 71 | 62 | 117 | 52 | 113 | 117 | 117 | 1175 | 450 | 390 | N/A | N/A | N/A | 117 | 117 | 1130 | HTTP 1.1 or HTTP 1.0 with keepalive, maximum possible transaction over a connection, 1 concurrent connections per user, 1 Server IP, 1048576 byte GET, TCP: Send/Recv buffer 1048576 CPM1000T8 only: Set TCP Tx/Rx Buffer Size to 4096/8192 respectively, HTTP 1.1 1024k byte GET, 16 concurrent connections per user, Max possible TCP transactions per TCP connection |
| HTTP1.1 | IPv6 | Transaction Rate | 11800 | 18000 | 24450 | 20250 | 26354 | 22001 | 22272 | 273538 | 271221 | 27860 | N/A | N/A | N/A | N/A | 27894 | 309915 | 335150 | HTTP 1.1 or HTTP 1.0 with keepalive, maximum possible transaction over a connection, 20 concurrent connections per user, 1 Server IP, 1 byte GET |
| HTTP1.1 | IPv6 | Simulated Users | 35500 | 194950 | 194950 | 398859 | 92576 | 195358 | 194950 | 2345858 | 2345858 | 92576 | N/A | N/A | N/A | N/A | 389900 | 4691716 | 4691716 | HTTP 1.1 or HTTP 1.0 with keepalive, maximum possible transaction over a connection, 1 concurrent connections per user, 1 Server IP, 1 byte GET, TCP: Send/Recv buffer 1024 |
| HTTP1.1 | IPv6 | Concurrent Connections | 35000 | 189950 | 189950 | 398859 | 86780 | 194950 | 194950 | 2339400 | 2339400 | 91788 | N/A | N/A | N/A | N/A | 389900 | 5661348 | 5661348 | HTTP 1.1 or HTTP 1.0 with keepalive, maximum possible transaction over a connection, 21 concurrent connections per user, 1 Server IP, 1 byte GET, TCP: Send/Recv buffer 1024 |
| HTTP1.1 | IPv6 | Throughput (MBps) | 34 | 53 | 58 | 66 | 48 | 75 | 68 | 116 | 792 | 70 | N/A | N/A | N/A | N/A | 78 | 117 | 824 | HTTP 1.1 or HTTP 1.0 with keepalive, maximum possible transaction over a connection, 1 concurrent connections per user, 1 Server IP, 1048576 byte GET, TCP: Send/Recv buffer 1048576 |
| HTTP1.0 | IPv4 | Connection Rate | 2200 | 4500 | 6876 | 12100 | 7000 | 14200 | 14200 | 170400 | 170400 | 63000 | 50000 | 33333 | 399996 | 399996 | 62000 | 245000 | 742000 | HTTP 1.0 without keepalive, 1 byte GET, 20 concurrent connections per user. CPM1000T8 only: Set TCP Tx/Rx Buffer Size to 4096, HTTP 1.0 without keepalive, 1 byte GET, 16 concurrent connections per user, Disable Server Side TCP/IP Timestamp. Client Traffic for HTTP disable the Keep Alive, Browser Emulation should be empty |
| HTTP1.0 | IPv4 | Transaction Rate | 2200 | 4500 | 7000 | 4600 | 7926 | 6499 | 6500 | 82112 | 79195 | 61000 | 47000 | N/A | N/A | N/A | 60000 | 245000 | 740000 | HTTP 1.0 without keepalive, 1 byte GET, 20 concurrent connections per user. CPM1000T8 only: Set TCP Tx/Rx Buffer Size to 4096, HTTP 1.0 without keepalive, 1 byte GET, 16 concurrent connections per user, Disable Server Side TCP/IP Timestamp. Client Traffic for HTTP disable the Keep Alive, Browser Emulation should be empty |
| HTTP1.0 | IPv4 | Simulated Users | 35875 | 194950 | 194950 | 398839 | 92576 | 195358 | 195358 | 2280147 | 2345858 | 800000 | 800000 | N/A | N/A | N/A | N/A | N/A | N/A | HTTP 1.0 without keepalive, 1 byte GET, 1 concurrent connections per user, TCP: Send/Recv buffer 1024 |
| HTTP1.0 | IPv4 | Concurrent Connections | 35423 | 194910 | 189950 | 398839 | 86980 | 194950 | 194950 | 2339400 | 2339400 | 800000 | 800000 | 416700 | 5000000 | 5000000 | 833000 | 10000000 | 10000000 | HTTP 1.0 without keepalive, 1 byte GET, 21 concurrent connections per user, TCP: Send/Recv buffer 1024 |
| HTTP1.0 | IPv4 | Throughput (MBps) | 35 | 62 | 62 | 116 | 76 | 113 | 117 | 117 | 1130 | 640 | 640 | N/A | N/A | N/A | 117 | 117 | 1130 | HTTP 1.0 without keepalive, 1 byte GET, 21 concurrent connections per user, TCP: Send/Recv buffer 1024 CPM100T8 only: Set TCP Tx/Rx Buffer Size to 4096/32768, HTTP 1.0 without keepalive, 1048576 byte GET, 21 concurrent connections per user. |
| HTTP1.0 | IPv6 | Connection Rate | 2000 | 4002 | 6375 | 4062 | 6925 | 5842 | 6104 | 73459 | 74881 | 7326 | N/A | N/A | N/A | N/A | 7700 | 95496 | 92645 | HTTP 1.0 without keepalive, 1 byte GET, 20 concurrent connections per user. CPM1000T8 only: Set TCP Tx/Rx Buffer Size to 4096, HTTP 1.0 without keepalive, 1 byte GET, 16 concurrent connections per user, Disable Server Side TCP/IP Timestamp |
| HTTP1.0 | IPv6 | Transaction Rate | 2000 | 4002 | 6428 | 4062 | 7226 | 5904 | 6118 | 72250 | 72394 | 7299 | N/A | N/A | N/A | N/A | 7600 | 93925 | 94112 | HTTP 1.0 without keepalive, 1 byte GET, 20 concurrent connections per user. CPM1000T8 only: Set TCP Tx/Rx Buffer Size to 4096, HTTP 1.0 without keepalive, 1 byte GET, 16 concurrent connections per user, Disable Server Side TCP/IP Timestamp |
| HTTP1.0 | IPv6 | Simulated Users | 35500 | 195306 | 194950 | 398859 | 92576 | 195358 | 195358 | 2345727 | 2345858 | 92576 | N/A | N/A | N/A | N/A | 390716 | 4691454 | 4691716 | HTTP 1.0 without keepalive, 1 byte GET, 1 concurrent connections per user, TCP: Send/Recv buffer 1024 |
| HTTP1.0 | IPv6 | Concurrent Connections | 35000 | 185330 | 189950 | 398859 | 86780 | 194950 | 194950 | 2339160 | 2339400 | 91788 | N/A | N/A | N/A | N/A | 389900 | 4678320 | 4678800 | HTTP 1.0 without keepalive, 1 byte GET, 21 concurrent connections per user, TCP: Send/Recv buffer 1024 |
| HTTP1.0 | IPv6 | Throughput (MBps) | 35 | 52 | 57 | 56 | 69 | 72 | 84 | 116 | 884 | 80 | N/A | N/A | N/A | N/A | 67 | 117 | 872 | HTTP 1.0 without keepalive, 1048576 byte GET, 21 concurrent connections per user, TCP: Send/Recv buffer 4096/32768. CPM100T8 only: Set TCP Tx/Rx Buffer Size to 4096/32768, HTTP 1.0 without keepalive, 1048576 byte GET, 21 concurrent connections per user. |
| HTTP1.0 SSL | IPv4 | Connection Rate | 376 | 777 | 1115 | 777 | 1371 | 1188 | 1265 | 14618 | 14289 | 5500 | 4625 | 6000 | 72000 | 72000 | 6000 | 72000 | 72000 | HTTP 1.0 without keepalive, 1 byte GET(SSL), 20 concurrent connections per user, SSLv3.0, Sequential Session Reuse 2147483647 |
| HTTP1.0 SSL | IPv4 | Connection Rate (No Session Reuse) | 117 | 185 | 885 | 187 | 255 | 206 | 210 | 2521 | 2559 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | HTTP 1.0 without keepalive, 1 byte GET(SSL), 20 concurrent connections per user, SSLv3.0, Sequential Session Reuse 0. |
| HTTP1.0 SSL | IPv4 | Transaction Rate | 387 | 796 | 1160 | 824 | 1050 | 1180 | 1206 | 14519 | 14335 | 5500 | 4625 | 6000 | 72000 | 72000 | 6000 | 72000 | 72000 | HTTP 1.0 without keepalive, 1 byte GET(SSL), 20 concurrent connections per user, SSLv3.0, Sequential Session Reuse 2147483647 |
| HTTP1.0 SSL | IPv4 | Simulated Users | 2386 | 11544 | 11000 | 23992 | 4887 | 11542 | 11544 | 138624 | 138624 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | HTTP 1.0 without keepalive, 1 byte GET(SSL), 1 concurrent connections per user, TCP: Send/Recv buffer 1024, SSLv3.0, Sequential Session Reuse 2147483647 |
| HTTP1.0 SSL | IPv4 | Concurrent Connections | 1677 | 8130 | 8242 | 17244 | 3630 | 8445 | 8413 | 100859 | 100877 | 30000 | 30000 | 31250 | 375000 | 375000 | 31250 | 375000 | 375000 | HTTP 1.0 without keepalive, 1 byte GET(SSL), 21 concurrent connections per user, TCP: Send/Recv buffer 1024, SSLv3.0, Sequential Session Reuse 2147483647 |
| HTTP1.0 SSL | IPv4 | Concurrent Connections (No Session Reuse) | 1677 | 8130 | 8242 | 17421 | 3930 | 8333 | 8413 | 100859 | 100877 | N/A | N/A | 31250 | 375000 | 375000 | 31250 | 375000 | 375000 | HTTP 1.0 without keepalive, 1 byte GET(SSL), 21 concurrent connections per user, TCP: Send/Recv buffer 1024, SSLv3.0, Sequential Session Reuse 0 |
| HTTP1.0 SSL | IPv4 | Throughput (MBps) | 4500 KBps | 10078 KBps | 12157 KBps | 9997 KBps | 13586 KBps | 11250 KBps | 10240 KBps | 116105 KBps | 133976 KBps | 20 | 17 | 27 | 125 | 324 | 27 | 125 | 324 | HTTP 1.0 without keepalive, 1048576 byte GET(SSL), 1 concurrent connections per user, TCP: Send/Recv buffer 1048576, SSLv3.0, Sequential Session Reuse 2147483647 |
| HTTP1.0 SSL | IPv6 | Connection Rate | 359 | 760 | 1102 | 771 | 1298 | 1179 | 1193 | 14444 | 14361 | N/A | N/A | N/A | N/A | N/A | 1508 | 18202 | 17538 | HTTP 1.0 without keepalive, 1 byte GET(SSL), 20 concurrent connections per user, SSLv3.0, Sequential Session Reuse 2147483647 |
| HTTP1.0 SSL | IPv6 | Transaction Rate | 346 | 723 | 1130 | 768 | 1274 | 1152 | 1206 | 14216 | 14083 | N/A | N/A | N/A | N/A | N/A | 1482 | 17100 | 16909 | HTTP 1.0 without keepalive, 1 byte GET(SSL), 20 concurrent connections per user, SSLv3.0, Sequential Session Reuse 2147483647 |
| HTTP1.0 SSL | IPv6 | Simulated Users</ | | | | | | | | | | | | | | | | | | |

| NOTE: [1] All numbers quoted in the table below are measured using a pair of Ixia test ports acting as client and server. In some cases, per port server performance is the limiting factor. Higher performance may be achieved when using IxLoad clients in configurations using ExterN/AI Servers. | | | | | | | | | | | | | | | | | | | | |
|--|------------|-----------------------------|-----------------|-----------|------------|-----------|------------|-----------------|-------------------|--------------------|---------------------|-------------|-------------|-----------------|----------------|-----------------|-----------------|----------------|-----------------|---|
| Protocol | IP Version | Test Objectives | LM1000STXS4-256 | ALM1000T8 | ELM1000ST2 | CPM1000T8 | LSM10GE-01 | LSM1000XMV16-01 | ASM1000XMV12X-N/A | ASM1000XMV12X-1GAM | ASM1000XMV12X-10GAM | IxYukon-NP4 | IxYukon-NP8 | Accleron-XP-N/A | Accleron-XP-1G | Accleron-XP-10G | Accleron-NP-N/A | Accleron-NP-1G | Accleron-NP-10G | Comment |
| SMTP | IPv6 | Connection Rate | NA | 2731 | 4967 | 2950 | 5076 | 4716 | 4622 | NA | NA | NA | N/A | 5876 | N/A | N/A | 5876 | N/A | N/A | Only Open, Quit Sequence |
| SMTP | IPv6 | Transaction Rate | NA | 5700 | 9997 | 5662 | 10184 | 8987 | 9455 | NA | NA | NA | N/A | 11627 | N/A | N/A | 11627 | N/A | N/A | Only Open, Quit Sequence |
| POP3 | IPv4 | Connection Rate | 1331 | 2984 | 4642 | 2789 | 5140 | 4234 | 4230 | N/A | N/A | N/A | N/A | 5268 | N/A | N/A | 5268 | N/A | N/A | Open, Quit Sequence with apop |
| POP3 | IPv4 | Transaction Rate | 2700 | 5834 | 9295 | 5642 | 10200 | 8613 | 8480 | N/A | N/A | N/A | N/A | 10528 | N/A | N/A | 10528 | N/A | N/A | Open, Quit Sequence with apop |
| POP3 | IPv4 | Connection Rate | 885 | 1680 | 3184 | 1830 | 3327 | 2920 | 2880 | N/A | N/A | 5130 | N/A | 3596 | N/A | N/A | 3596 | N/A | N/A | Get Command, apop, Mail Count is 1, Mail size is 1, no attachments, only the "from" and "to" headers. |
| POP3 | IPv4 | Transaction Rate | 4071 | 8100 | 12203 | 7851 | 13358 | 11070 | 10870 | N/A | N/A | 13400 | N/A | 13696 | N/A | N/A | 13696 | N/A | N/A | Get Command, apop, Mail Count is 10, Mail size is 1, no attachments, only the "from" and "to" headers. |
| POP3 | IPv4 | Simulated Users | 15690 | 75000 | 74990 | 155616 | 35157 | 75000 | 75000 | N/A | N/A | 187000 | N/A | 150000 | N/A | N/A | 150000 | N/A | N/A | Get Command, user/password authentication, Mail Count is 1, Mail size is 100byte, no attachments, TCP: Send/Recv buffer 1024; |
| POP3 | IPv4 | Concurrent Connections | 15335 | 75000 | 74990 | 155616 | 13000 | 75000 | 75000 | N/A | N/A | 187000 | N/A | 75006 | N/A | N/A | 75006 | N/A | N/A | Get Command, user/password authentication, Mail Count is 1, Mail size is 100byte, no attachments, TCP: Send/Recv buffer 1024; |
| POP3 | IPv4 | Throughput (MBps) | 10 | 12 | 14 | 13 | 14 | 14 | 12 | N/A | N/A | 17 | N/A | 18 | N/A | N/A | 18 | N/A | N/A | Get Command, user/password authentication, Mail Count is 10000, Mail size is 1024000 bytes, TCP: Send/Recv buffer 1048576; |
| POP3 | IPv6 | Connection Rate | 1263 | 2550 | 4405 | 2531 | 4795 | 4131 | 2500 | NA | NA | NA | N/A | N/A | N/A | N/A | 5000 | N/A | N/A | Open, Quit Sequence with apop |
| POP3 | IPv6 | Transaction Rate | 2436 | 5050 | 8749 | 5067 | 9315 | 8216 | 8529 | NA | NA | NA | N/A | N/A | N/A | N/A | 10167 | N/A | N/A | Open, Quit Sequence with apop |
| POP3 | IPv6 | Connection Rate | 834 | 1752 | 2991 | 1730 | 3242 | 2823 | 4273 | NA | NA | NA | N/A | N/A | N/A | N/A | 3396 | N/A | N/A | Get Command, apop, Mail Count is 1, Mail size is 1, no attachments, only the "from" and "to" headers. |
| POP3 | IPv6 | Transaction Rate | 4167 | 7550 | 11758 | 7764 | 12830 | 10790 | 10654 | NA | NA | NA | N/A | N/A | N/A | N/A | 13037 | N/A | N/A | Get Command, apop, Mail Count is 10, Mail size is 1, no attachments, only the "from" and "to" headers. |
| POP3 | IPv6 | Simulated Users | 15690 | 73848 | 74990 | 155616 | 35157 | 75000 | 75000 | NA | NA | NA | N/A | N/A | N/A | N/A | 150000 | N/A | N/A | Get Command, user/password authentication, Mail Count is 1, Mail size is 100byte, no attachments, TCP: Send/Recv buffer 1024; |
| POP3 | IPv6 | Concurrent Connections | 15491 | 75000 | 74990 | 15328 | 15151 | 75000 | 75000 | NA | NA | NA | N/A | N/A | N/A | N/A | 75006 | N/A | N/A | Get Command, user/password authentication, Mail Count is 1, Mail size is 100byte, no attachments, TCP: Send/Recv buffer 1024; |
| POP3 | IPv6 | Throughput (MBps) | 9 | 13 | 14 | 13 | 15 | 14 | 15 | NA | NA | NA | N/A | N/A | N/A | N/A | 18 | N/A | N/A | Get Command, user/password authentication, Mail Count is 10000, Mail size is 1024000 bytes, TCP: Send/Recv buffer 1048576; |
| DNS | IPv4 | TCP | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| DNS | IPv4 | Simulated Users | 16189 | 77695 | 77685 | 141279 | 36377 | 77691 | 77695 | N/A | 932340 | 191000 | 191000 | 155390 | N/A | 1864680 | 155390 | N/A | 1864680 | 1 Type A Query; Query Timeout = Number of users/rate of transactions. rate of transactions: ALM = 900, STXS4 = 500; Ramp Up = 100. |
| DNS | IPv4 | Transaction Rate | 448 | 1101 | 2867 | 1194 | 3097 | 2800 | 2749 | N/A | 32988 | 3149 | 2773 | 3463 | N/A | 40934 | 3463 | N/A | 40934 | 1 Type A Query |
| DNS | IPv4 | Throughput (KBps) | 59 | 125 | 310 | 124 | N/A | N/A | N/A | N/A | N/A | 413 | 341 | N/A | N/A | N/A | N/A | N/A | N/A | 1 Type A Query |
| DNS | IPv4 | QS | 500 | 1200 | 2700 | 1200 | N/A | 2000 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| DNS | IPv4 | UDP | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| DNS | IPv4 | Simulated Users | 19297 | 92611 | 92510 | 192262 | 43360 | 92611 | 92817 | N/A | 1106244 | 191000 | 191000 | 185634 | N/A | 2212488 | 185634 | N/A | 2212488 | 1 Type A Query |
| DNS | IPv4 | Transaction Rate | 2500 | 4500 | 11285 | 7603 | 13213 | 10916 | 10951 | N/A | 130000 | 13000 | 11160 | 14157 | N/A | 171819 | 14157 | N/A | 171819 | 1 Type A Query |
| DNS | IPv4 | Throughput (KBps) | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| DNS | IPv4 | QS | 3599 | 7800 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 18160 | 14998 | N/A | N/A | N/A | N/A | N/A | N/A | |
| DNS | IPv4 | QS | 4000 | 10000 | N/A | 10113 | N/A | 10515 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| TELNET | IPv4 | Transaction Rate | 10118 | 16000 | 24102 | 17033 | 25955 | 22570 | 22089 | N/A | N/A | 30850 | N/A | 26500 | N/A | N/A | 26500 | N/A | N/A | Command list having 360 SEND commands |
| TELNET | IPv4 | Simulated Users | 14076 | 66000 | 67545 | 140243 | 31628 | 67554 | 67554 | N/A | N/A | 139000 | N/A | 110032 | N/A | N/A | 110032 | N/A | N/A | Command list having one complete set of commands |
| TELNET | IPv4 | Concurrent Connections | 14076 | 61600 | 67545 | 124341 | 31628 | 67554 | 67554 | N/A | N/A | 139000 | N/A | 135108 | N/A | N/A | 135108 | N/A | N/A | Command list having one complete set of commands |
| TELNET | IPv4 | Connection Rate | 1111 | 2118 | 3430 | 2162 | 3467 | 3276 | 2875 | N/A | N/A | 5331 | N/A | 3500 | N/A | N/A | 3500 | N/A | N/A | Just LOGIN, PASSWORD and EXIT |
| RTSP | IPv4 | Connection Rate | 540 | 1050 | 1833 | 1025 | 2017 | 1754 | 1720 | 9569 | 9281 | 2073 | N/A | 2162 | 11160 | 11139 | 2162 | 11160 | 11139 | Describe, Setup, Teardown sequence |
| RTSP | IPv4 | Transaction Rate | 1623 | 3100 | 5677 | 3145 | 6050 | 5268 | 5219 | 35663 | 35966 | 6139 | N/A | 6413 | 43485 | 43412 | 6413 | 43485 | 43412 | |
| RTSP | IPv4 | Simulated Users | 2112 | 10098 | 10097 | 10098 | 4733 | 10098 | 10098 | 60610 | 60610 | 20000 | N/A | 20196 | 121220 | 242520 | 20196 | 121220 | 242520 | Describe, Setup, Play For voice(1016) with 30 second duration, Teardown sequence, TCP: Send/Recv buffer 1024; |
| RTSP | IPv4 | Concurrent Sessions | 1959 | 9800 | 10097 | 10000 | 4347 | 10232 | 10394 | 46889 | 66411 | 20000 | N/A | 15841 | 103155 | 176785 | 15841 | 103155 | 176785 | Describe, Setup, Play For voice(1016) with 30 second duration, Teardown sequence, TCP: Send/Recv buffer 1024; |
| RTSP | IPv4 | Throughput - RTP/UDP (MBps) | N/A | 56 | N/A | N/A | N/A | 61 | 65 | 93 | 673 | N/A | N/A | 64 | 110 | 288 | 64 | 110 | 288 | Custom stream with three Audio MP3 9000 Hz media streams @ 64000 kbps data rate. |
| RTSP | IPv4 | Throughput - RTP/TCP (MBps) | N/A | 28 | N/A | N/A | N/A | 30 | 30 | 117 | 343 | N/A | N/A | 69 | 235 | 574 | 69 | 235 | 574 | Custom stream with three Audio MP3 9000 Hz media streams @ 64000 kbps data rate. |
| QuickHTTP1.0 | IPv4 | Connection Rate | | | | | | | | | | | | | | | | | | |

| IxLoad Performance -- IPv4/IPv6 Ranges | | | | | | | | | | | | | | | | | | | | | |
|--|------------|------------------------------------|-----------------|-----------|------------|-----------|------------|-----------------|-------------------|--------------------|---------------------|-------------|-------------|-----------------|----------------|-----------------|-----------------|----------------|-----------------|---|--|
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| Protocol | IP Version | Test Objectives | LM1000STXS4-256 | ALM1000T8 | ELM1000ST2 | CPM1000T8 | LSM10GE-01 | LSM1000XMV16-01 | ASM1000XMV12X-N/A | ASM1000XMV12X-1GAM | ASM1000XMV12X-10GAM | IxYukon-NP4 | IxYukon-NP8 | Accleron-XP-N/A | Accleron-XP-1G | Accleron-XP-10G | Accleron-NP-N/A | Accleron-NP-1G | Accleron-NP-10G | Comment | |
| SIP | | UDP | | | N/A | N/A | N/A | N/A | | | | NA | N/A | N/A | N/A | N/A | N/A | N/A | N/A | | |
| SIP | IPv4 | Simulated Users | 3900 | 15000 | N/A | 15000 | 8884 | 13500 | 13500 | 16000 | 16000 | 15000 | 15000 | N/A | N/A | N/A | N/A | N/A | N/A | | |
| SIP | IPv4 | Simulated Users with voice session | 450 | 900 | N/A | 900 | 900 | 810 | 810 | 8000 | 10000 | 900 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | | |
| SIP | IPv4 | Calls Initiated Per Second | 800 | 1100 | N/A | 1301 | 1440 | 1440 | 1440 | 3000 | 3000 | 1874 | 1895 | N/A | N/A | N/A | N/A | N/A | N/A | | |
| SIP | IPv4 | BHCA | 2 880 000 | 3960000 | N/A | 4597200 | 5184000 | 5 184 000 | 5 184 000 | 10 800 000 | 10 800 000 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | | |
| SIP | | TCP | | | N/A | N/A | N/A | N/A | | | | NA | N/A | N/A | N/A | N/A | N/A | N/A | N/A | | |
| SIP | IPv4 | Simulated Users | 4067 | 15000 | N/A | 15000 | 8884 | 13500 | 13500 | 16000 | 16000 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | | |
| SIP | IPv4 | Simulated Users with voice session | 450 | 900 | N/A | 900 | 900 | 810 | 810 | 8000 | 10800 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | | |
| SIP | IPv4 | Calls Initiated Per Second | 800 | 1000 | N/A | 1301 | 1440 | 1440 | 1440 | 3000 | 16 000 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | | |
| SIP | IPv4 | BHCA | 2 880 000 | 3 600 000 | N/A | 4597200 | 5184000 | 5 184 000 | 5 184 000 | 10 800 000 | 57 600 000 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | | |
| SIP | | UDP | N/A | N/A | N/A | N/A | N/A | N/A | | | | NA | N/A | N/A | N/A | N/A | N/A | N/A | N/A | | |
| SIP | IPv6 | Simulated Users | 4070 | 15000 | N/A | N/A | N/A | 13500 | 13500 | 16000 | 16000 | NA | N/A | N/A | N/A | N/A | N/A | N/A | N/A | | |
| SIP | IPv6 | Simulated Users with voice session | 450 | 900 | N/A | N/A | N/A | 810 | 810 | 8000 | 10000 | NA | N/A | N/A | N/A | N/A | N/A | N/A | N/A | | |
| SIP | IPv6 | Calls Initiated Per Second | 770 | 1100 | N/A | N/A | N/A | 1440 | 1440 | 3000 | 3000 | NA | N/A | N/A | N/A | N/A | N/A | N/A | N/A | | |
| SIP | IPv6 | BHCA | 2 500 000 | 3 960 000 | N/A | N/A | N/A | 5 184 000 | 5 184 000 | 10 800 000 | 10 800 000 | NA | N/A | N/A | N/A | N/A | N/A | N/A | N/A | | |
| SIP | | TCP | N/A | N/A | N/A | N/A | N/A | N/A | | | | NA | N/A | N/A | N/A | N/A | N/A | N/A | N/A | | |
| SIP | IPv6 | Simulated Users | 4070 | 15000 | N/A | 15000 | 8884 | 13500 | 13500 | 16000 | 16000 | NA | N/A | N/A | N/A | N/A | N/A | N/A | N/A | | |
| SIP | IPv6 | Simulated Users with voice session | 450 | 900 | N/A | 900 | 900 | 810 | 810 | 8000 | 6500 | NA | N/A | N/A | N/A | N/A | N/A | N/A | N/A | | |
| SIP | IPv6 | Calls Initiated Per Second | 800 | 1000 | N/A | 1301 | 1440 | 1440 | 1440 | 3000 | 16 000 | NA | N/A | N/A | N/A | N/A | N/A | N/A | N/A | | |
| SIP | IPv6 | BHCA | 2 700 000 | 3 600 000 | N/A | 4597200 | 5184000 | 5 184 000 | 5 184 000 | 10 800 000 | 57 600 000 | NA | N/A | N/A | N/A | N/A | N/A | N/A | N/A | | |
| MGCP | IPv6 | Endpoints (signaling only) | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | NA | N/A | N/A | N/A | N/A | N/A | N/A | N/A | B2B Configuration (the 3 ports involved in test connected via a L2 HP switch) | |
| MGCP | IPv6 | Endpoints (w/ RTP) | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | NA | N/A | N/A | N/A | N/A | N/A | N/A | N/A | B2B Configuration (the 3 ports involved in test connected via a L2 HP switch) | |
| MGCP | IPv6 | BHCA | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | NA | N/A | N/A | N/A | N/A | N/A | N/A | N/A | B2B Configuration (the 3 ports involved in test connected via a L2 HP switch) | |
| MGCP | IPv4 | Calls Initiated Per Second | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | NA | N/A | N/A | N/A | N/A | N/A | N/A | N/A | B2B Configuration (the 3 ports involved in test connected via a L2 HP switch) | |
| Application Test | IPv4 | Simulated Users - FULL Client | N/A | 480 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | Full App Client and IxLoad Server, http1.0 without keep alive, 1 Server IP, 1byte Get, no func ver | |
| Application Test | IPv4 | Simulated Users - HTTP Client | N/A | 1000 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | Http App Client and IxLoad Server, http1.0 without keep alive, 1 Server IP, 1byte Get | |
| WAP | | | | | | | | | | | | | | | | | | | | | |
| wap | IPv4 | Simulated Users | 7657 | 10375 | 12125 | 10093 | 11938 | 13141 | 12938 | 199730 | 210252 | 130000 | N/A | 25876 | 399460 | 420504 | 25876 | 399460 | 420504 | All values except ALM are calculated on 4.00.75.100 with 5.10.351.319 | |
| wap | IPv4 | Connection Rate | 2625 | 5500 | 7875 | 5375 | 8000 | 7438 | 7639 | 91787 | 92218 | 9137 | N/A | 9200 | 110144 | 110662 | 9200 | 110144 | 110662 | The CS and SU values for all cards calculated on 4.00.75.122 and 5.10.350.27 performance number for CR on 10-GE-LSM is not achieving its achieving max 50% of its published value [BUG467642] | |
| wap | IPv4 | Concurrent Sessions | 7794 | 30000 | 21656 | 36000 | 20784 | 21656 | 22214 | 264350 | 264594 | 53000 | N/A | 44428 | 528460 | 529188 | 44428 | 528460 | 529188 | Configuration: Each rxfile is set for 1B WGET with all default configurations, 100 IP on client and 1 IP on server. Sustain time is 5 min. 'IPv4 only' is selected for IPv4 numbers in Ip preference tab same as for IPv6. performance number for CR on 10-GE-LSM is not achieving its achieving max 50% of its published value [BUG467642] | |
| wap | IPv4 | Transaction Rate | 5687 | 10000 | 15750 | 11032 | 15874 | 15118 | 15249 | 184664 | 184510 | 18221 | N/A | 19089 | 221596 | 221412 | 19089 | 221596 | 221412 | performance number for CR on 10-GE-LSM is not achieving its achieving max 50% of its published value [BUG467642] | |
| wap | IPv6 | Simulated Users | 7792 | 12188 | 14956 | 13750 | 124322 | 14843 | 14956 | 124322 | 124754 | NA | N/A | N/A | N/A | N/A | 29912 | 248644 | 249508 | | |
| wap | IPv6 | Connection Rate | 2313 | 5219 | 7603 | 4688 | 8000 | 7073 | 7094 | 85670 | 85676 | NA | N/A | N/A | N/A | N/A | 8500 | 102804 | 102811 | | |
| wap | IPv6 | Concurrent Sessions | 7794 | 21114 | 24750 | 18000 | 21000 | 205653 | 21000 | 205735 | 205735 | NA | N/A | N/A | N/A | N/A | 42000 | 411306 | 411470 | | |
| wap | IPv6 | Transaction Rate | 4930 | 10000 | 14875 | 9500 | 15979 | 13969 | 14219 | 171171 | 171516 | NA | N/A | N/A | N/A | N/A | 17675 | 205405 | 205819 | | |
| Peer-2-Peer | IPv4 | Initiator Peer Count | 13789 | 96949 | 96949 | 209947 | 411103 | 96949 | 96949 | 1247209 | 1247209 | 209000 | N/A | 198718 | 2494418 | 2494418 | 198718 | 2494418 | 2494418 | 1 Byte Simple Download, Tx/Rx Buffer = 1024 | |
| Peer-2-Peer | IPv4 | Connections Rate | 1046 | 5032 | 5032 | 5556 | 6940 | 6688 | 6500 | 59995 | 59995 | 7244 | N/A | 7670 | 94371 | 94393 | 7670 | 94393 | 94393 | 1 Byte Simple Download, Tx/Rx Buffer = 4096 | |
| Peer-2-Peer | IPv4 | Concurrent Connections | 13817 | 96949 | 96936 | 209947 | 411103 | 96949 | 96949 | 1247209 | 1247209 | 209000 | N/A | 198718 | 2494418 | 2494418 | 198718 | 2494418 | 2494418 | 1 Byte Simple Download, Tx/Rx Buffer = 1024 | |
| Peer-2-Peer | IPv4 | Throughput(Mbps) | 101 | 115 | 86 | 117 | 225 | 116 | 116 | 1185 | 208 | N/A | N/A | 121 | 121 | 1196 | 121 | 121 | 1196 | 1 GB Simple Download, Tx/Rx Buffer = 64000 | |
| Peer-2-Peer | IPv4 | Throughput(Kbps) | 100316 | 117976 | 82500 | 117188 | 180000 | 118058 | 117966 | 117579 | 1186915 | N/A | N/A | 121289 | 121333 | 1185376 | 121289 | 121333 | 1185376 | 1 GB Simple Download, Tx/Rx Buffer = 64000 | |
| Peer-2-Peer | IPv4 | Transaction Rate | 9998 | 19094 | 19094 | 22300 | 27344 | 26553 | 26906 | 322061 | 322061 | 31603 | N/A | 31750 | 401521 | 407068 | 31750 | 401521 | 407068 | 1 Byte Simple Download, Tx/Rx Buffer = 4096 | |
| Peer-2-Peer | IPv6 | Initiator Peer Count | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | N/A | N/A | N/A | N/A | N/A | N/A | N/A | | |
| Peer-2-Peer | IPv6 | Connections Rate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | N/A | N/A | N/A | N/A | N/A | N/A | N/A | | |
| Peer-2-Peer | IPv6 | Concurrent Connections | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | N/A | N/A | N/A | N/A | N/A | N/A | N/A | | |
| Peer-2-Peer | IPv6 | Throughput(Mbps) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | N/A | N/A | N/A | N/A | N/A | N/A | N/A | | |
| Peer-2-Peer | IPv6 | Throughput(Kbps) | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | N/A | N/A | N/A | N/A | N/A | N/A | N/A | | |
| Peer-2-Peer | IPv6 | Transaction Rate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | N/A | N/A | N/A | N/A | N/A | N/A | N/A | | |
| Video | IPv4 | Transaction Rate (UDP) | N/A | 15 | | | | | | | | | | | | | | | | | |