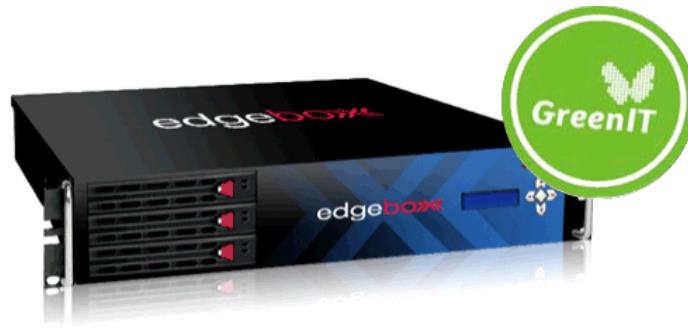




Dramatically simplifying voice and data networking



edgeBOX

edgeBOX Performance Profiles



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Introduction

The purpose of this document is to provide information and guidelines for the edgeBOX appliances sales and customer recommendations for the right edgeBOX form factor. The following assumptions were made for typical edgeBOX installation:

1. All services are turned on and running
 - a. Security and user authentication
 - b. Routing
 - c. VoIP and PSTN
 - d. Anti-Virus
 - e. Anti-Spam
 - f. Email Server
 - g. VPN
2. The number of simultaneous users is not exceeding the recommended number of the specific edgeBOX form factor
 - a. Office Soho – 10 users
 - b. Office box – 40 users
 - c. Business box – 100 users
 - d. Enterprise box – 300 users
3. Only one edgePACK is installed and running on the edgeBOX





The following table shows the performance matrix that should be considered for edgebox form factor decision. All the services (phones calls, conference calls, VPN and etc) are running simultaneously

edgeBOX Performance Parameters - All features and functionality enabled and running:

Parameter	Office SOHO 	Office Box 40 	Business Box 100 	Enterprise Box 300 
Number of users	10	40	100	300
Number of simultaneous phone calls	5	20	45	100
Number of simultaneous conference calls	2	5	15	35
Number of simultaneous remote users connected through PPTP	5	10	25	75
Number of site-to-site IPSEC tunnels	1	2	4	8
Number of accounts and emails per day	10/1200	40/2400	100/6000	300/18000
Maximum WAN Bandwidth	45 Mbps	45 Mbps	100 Mbps	200 Mbps

Disclaimer: “All tests were done under normal traffic load and most commonly used voice codecs such as G.711. Critical Links guarantees that all edgeBOX appliances will perform according to specifications for the recommended number of users. Although a higher number of simultaneous calls and data traffic throughput is possible, we strongly advise against exceeding the recommendations. Increasing the number of simultaneous calls, traffic load and number of remote users can reduce voice quality, adversely impact data applications and undermines the overall user experience.”

edgeBOX Performance Parameters - Voice Scenarios – Firewall, email, web server and file sharing disabled:

Parameter	Office SOHO 	Office Box 40 	Business Box 100 	Enterprise Box 300 
Number of users (software controlled)	10	40	100	300
Maximum IP stations (unique IP addresses)	120	150	400	800
Maximum number of internal phone extensions	20	100	200	500
Maximum number of simultaneous phone calls ¹	10	40	100	300
Maximum number of voice mail ports	10	40	100	300
Maximum per system total hours of voice mail	170	170	200	200
Maximum number of vmails per user	100	100	70	40
Maximum number of simultaneous conference calls (with at least 2 participants on a call) ¹	5	20	50	150
Maximum number of participants on a conference call ¹	5	20	30	30
Maximum number of simultaneous remote users connected through PPTP ²	10	40	100	300
Maximum number of site-to-site IPSEC tunnels ²	1	5	15	30
Maximum number of accounts and emails per day ²	10/2400	40/9600	100/24000	300/72000
Maximum WAN Bandwidth ²	70 Mbps	70 Mbps	160 Mbps	240 Mbps

Note¹: All voice tests were done with firewall, email, web server and file sharing functionality disabled.

Note²: All tests were done with IP PBX functionality disabled.