

BIZFÖN 2000

IP-PBX Small Business Communications Solutions



BIZFÖN 2000:

The IP PBX that grows: Up to 6 Biztouch IP phones, 2 analog extensions, 8 SIP trunks and 1 analog CO line.

The Bizfon 2000 is the fully-featured IP PBX for small offices and teleworkers. Utilize the effectiveness of VoIP with up to 8 SIP trunks while still accessing E911 with the single analog CO line. The CO line also serves as backup to the SIP trunks.

The Bizfon 2000 supports IP calls through various Internet Telephony Service Providers. Up to 6 Biztouch IP phones are supported. In addition, all physical extensions may be mirrored to act as remote IP extensions. Wherever you are, calls will reach you, and you will be able to make calls as if you were in your office.

FULLY-FEATURED IP PBX

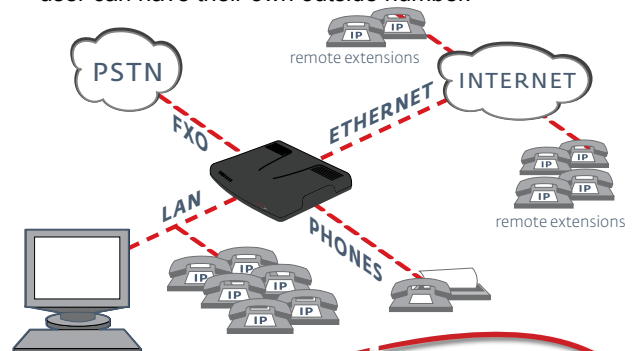
The Bizfon 2000 offers a multitude of features including extensive PBX functionality, integrated messaging including voicemail to email and fax to email conversion, an auto attendant, cost saving call routing functionality, an integrated IP router, SIP call signaling and much more.

INTEGRATED INTERNET ACCESS ROUTER

The Bizfon 2000 IP PBX embodies a fully-fledged Internet access router with firewall security, including, NAT, policy and service based filtering. An extensive IPsec VPN functionality with DES, 3DES and AES encryption ensures a high level of voice and data security.

VOIP SERVICE PROVIDERS

The Bizfon 2000 IP PBX connects a small business to VoIP Service Providers. Benefits include significantly lower cost for local, long distance and internal calls, as well as Direct Inward Dial (DID) support, where each user can have their own outside number.



BIZFÖN



TELEPHONY

Voice Features

Voice Coding G.711, G.729
NAT traversal (both manually and STUN)
VAD, CNG, G.168 echo cancellation
Lifeline anlaog CO (single line)

Bandwidth Requirements

Per call WAN bandwidth requirements for the following codecs (non-encrypted/VPN encrypted):

G.711a/G.711u	20 msec	84 kbps/105 kbps
G.729a	20 msec	29 kbps/49 kbps

PBX Features

Call block, forward, hold, ID, park, relay, transfer, wait
Voice mail
Multilevel auto attendant with Interactive Voice Response (IVR)
Distinctive ring, hold music, speed dialing
Many extensions ring
Call statistics
Do not disturb service
Unified messaging
3-way conferencing
Hotline service
T.38 fax, fax relay and clear channel fax
Unified Fax Messaging
Busy auto redial
Multiple user extensions
(up to 32 physical/virtual/remote extensions)

Call Signaling

SIP on the WAN and LAN side (RFCs: 3261, 3263, 3265, 3311, 3428, 3515, 3842, 3856, 3891, 3892, 3581, draft-ietf-sip-session-timer-15, draft-ietf-sipping-dialog-package-05; Presence: RFCs: 3842, 3856, 3863, draft-ietf-sipping-dialog-package-05)
SDP (RFC 2327)
RTP (RFCs: 1889, 1890, 2833, 3389, 3550, 3551, 3555, draft-ietf-avt-rtc2833bis-05, draft-ietf-avt-rtp-ilbc-o5), in band and out of band signaling support
RTP Proxy
Fax over IP (ITU_T: T4, T30, T38, V17, V21, V27 ter, V29)

Analog CO Lines Signaling

Loop start
FSK and DTMF Caller ID support

CONNECTIVITY

Extensions

Total of 70 extensions including FXS phones (2), LAN IP phones (6), and Virtual Extensions
The virtual extensions allow registration on several SIP servers and ITSPs
1 remote extension for each FXS extension and LAN IP phone

LAN IP Phones

6 Biztouch IP Phones
Remote IP extensions may be enabled for all Biztouch IP Phones

System Capacity

8 simultaneous VoIP calls with external parties
Unlimited station to station calling for IP phones
Unlimited station to station calling for analog phones
1 PSTN call with external parties
2 simultaneous calls through a VPN

Premise Connections

2 short-loop FXS ports (RJ11)
1 Ethernet 10/100BASE T port (RJ45)

Uplink Connection

1 FXO ports to the Central Office (RJ11)
1 Ethernet 10BASE T (RJ45)

Billing

Radius Client (RFCs: 2865, 2866)

INTERNET

NAT address translation
STUN/NAT traversal (RFC 3489)
IPSec VPN with DES, 3DES and AES encryption in tunnel mode (RFCs: 2402, 2406, 2409)
PPTP VPN
L2TP VPN
Manual and automatic IKE key support
Firewall security via:
NAT (Network Address Translation)
Policy and service-based filtering
DHCP server on the LAN side
DHCP client on the WAN side
DNS server with forwarding functionality
SNTP (Simple Network Time Protocol) server/client for computer clock synchronization
PPPoE connection to the ISP with PAP/(MS)CHAP authentication
IP DIFFSERV for QoS

Mail client to send voice messages as e-mail attachments (.wav) and system notifications
DNS (DYNDNS) support with third party
Port forwarding
Port translation

SYSTEM

Management

WEB interface accessible from LAN and WAN (HTTP/HTTPS)
WAN management access optional
Password control
Remote diagnostics and software upgrade
VoIP Service Providers wizard
Download/restore configuration
Legible and editable configuration files
Auto-configuration via TFTP
Reset button with factory reset option

Diagnostics/Testing

LEDs: Busy, Info, Fault, USB, LAN, WAN, Line 1, Line 2
IP Call Quality Rating
Remote testing and VoIP diagnostics
Power-up diagnostics
Loop-back testing

ENVIRONMENTAL

Physical Dimensions

Desktop devices, wall-mountable:
Measurements: 7.41" x 6.24" x 1.77"
(19 x 16 x 4.5 cm)
Weight: 13 ounces (360 g)

Conditions

41°F - 104°F (5°C - 40°C) operating temperature
41°F - 140°F (5°C - 60°C) storage temperature
5% - 90% non-condensing humidity

Power Supply

Input 100 - 240 VAC; 50/60 Hz; 0.5 A
Output 12.0 VDC; 1.5 A

Regulatory Compliance

Safety: UL; CSA 22;
EMC: FCC Part 15 Class B;
EN55022 Class B, EN55024;
Telecom: CTR21/TBR21



Please contact:

