

# 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

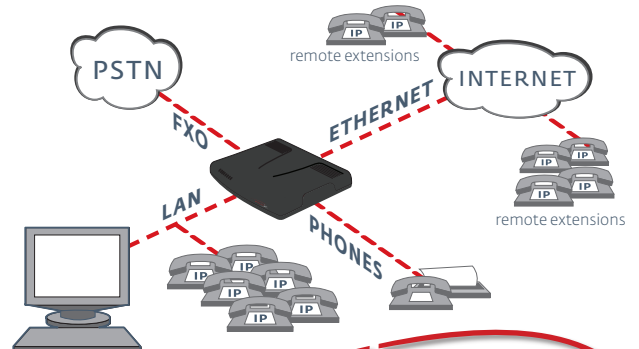
The Bizfon 2000 offers a multitude of features including extensive PBX functionality, integrated messaging including voicemail to email and fax to email conversion, an auto attendant, cost saving call routing functionality, an integrated IP router, SIP call signaling and much more.

### 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:

