

be.IP swift

All-in-one Solution

Introduction

be.IP swift is an universal one-box-solution for voice and data communication combining IP PBX and Wi-Fi 6 business router with DSL, fibre optic, SuperVectoring and Gigabit WAN support in one device. With be.IP swift comprehensive telephony with convenient telephony functions for using a wide range of telephones meets routing functions for fast Internet as well as secure VPN technology for offices and home offices networking. System can be used as a router, IP PBX or media gateway with SBC functions, and also as an universal business solution always providing flexible connectivity to digital future of companies.

Product Highlights

- Fast Internet via DSL, fibre optics, Gigabit WAN
- Wi-Fi 6 - fast WLAN for staff & guests
- Integrated communication solution for business
- Secure branch and home office connections
- Technology to ensure your investment

Interfaces

xDSL slot	Yes
SFP module slot	Yes, optional module
2 a/b ports (TAE and RJ11)	Yes
2 internal ISDN S0 ports (RJ45)	Yes
4 Gigabit-Ethernet-Ports (Switch)	Yes
1 WANoE Gigabit-Ethernet-Port	Yes
Wi-Fi 6	Yes



Competitive Advantage

One box for voice & data

Tailer-made for SME – use what you need: Wi-Fi 6 Business router, secure VPN gateway, media gateway with SBC functions and IP-PBX – one device, all services

Stay always connected

Universal access gateway and PBX for main fixed line connections and services: SVDSL, fiber, ETH-WAN as well as SIP telephony (single numbers, SIP trunk)

IP-PBX with system-telephony

Whether connecting modern IP system phones or migrating existing FXS or ISDN phones, convenient and versatile telephony functions for up to 30 users

Secure connectivity

Secure and protect communication for offices and mobile workers: SPI firewall, VPN encryption and Wi-Fi 6 with WPA3; ready for cybersecurity be.Safe smart

Key Features

- **Fast Internet** Business routing functions with DSL, fibre and SuperVectoring support, dual stack (IPv4/6) Internet access. VDSL2 up to 250 Mbit/s, G.fast support up to 1 Gbit/s and fiber connections with up to 1 Gbit/s throughput.
- **Telephone system for up to 30 users** IP PBX with virtual assistance for efficient work in dynamic teams and workflows, integrated voicemail, individual call signaling and distribution, intelligent call control with automatic call acceptance & forwarding.
- **Backup & Load balancing** WANoE port allows additional reliability. Stay online in the event of a fixed network failure by simply integrating an LTE backup. Parallel use of WAN accesses by using load balancing increases performance.
- **Secure VPN technology** VPN with 10 active IPSec tunnels, e.g. for home office or connection of mobile employees. Simple integration of mobile employees with telephony and data via VPN.
- **Wi-Fi 6 + Guest Wi-Fi 2** integrated Wi-Fi 6 base stations providing excellent network coverage with 8 internal antennas for 2,4 & 5 GHz, band steering, 4x4 multi-user MIMO for best possible wireless connection, Guest WiFi.

HARDWARE TECHNICAL FEATURES

xDSL /VDSL2

ITU-T G.993.2, ADSL2, ADSL2+ compatible, Annex B/J, DT-AG 1 TR 112, Vectoring support (G.vector/G.993.5), Profile 35b support (SuperVectoring)

WAN over Ethernet

Configurable Gigabit Ethernet port for an external modem or operation behind a router

Wi-Fi 6

MDI/MDIX, auto negotiation Wireless network (WLAN), Wi-Fi 6 (802.11 ax) dual-band WLAN with 4x4 2.4 GHz and 4x4 5 GHz with up to 5.9 Gbit/s, 4 internal 5 GHz and 4 internal 2.4 GHz antennas (MU-MIMO),

SFP

SFP module slot for GPON or ActiveFiber applications module optionally available

Switch

4 Gigabit-Ethernet-Ports

SOFTWARE TECHNICAL FEATURES

Telephony / telephone system

SIP compliant according to [RFC3261] V2.0, CLIP, CLIR, CFx, CW, CH, G.711 alaw/ μ law, clearmode, VAD, CNG, Fax: G.711 pass-through, T.38 echo cancellation: G.168 compatible, DTMF: in-band, out-of-band, SIPInfo

Networking applications & -routing

DHCP Server/Client, NTP Server/Client, DNS Server/Proxy, Dyn DNS, NAT/NATP, PPPoE RFC 2516, Internet Control Message Protocol, Host Extensions for IP Multicasting, PPP Internet Protocol Control, IPCP

IPv6-Features (1)

IPv6 over PPP DualStack, ICMPv6 [RFC4443], DHCPv6 Prefix Delegation [RFC3633], WAN-side interface config via SLAAC [RFC4862], Advertisement of received or static configured prefix (DHCPv6) via SLAAC

Security

Integrated SPI firewall, WPA2/WPA3 encryption, 10 active VPN tunnels (IPSec)

Management

Web-based Device Management, TR-069 Remote Management, web-based firmware Upgrade

IP-Quality of Service

Queuing, Rate Limiting, DiffServ/ToS and 802.1p/q support

IPv6-Features (2)

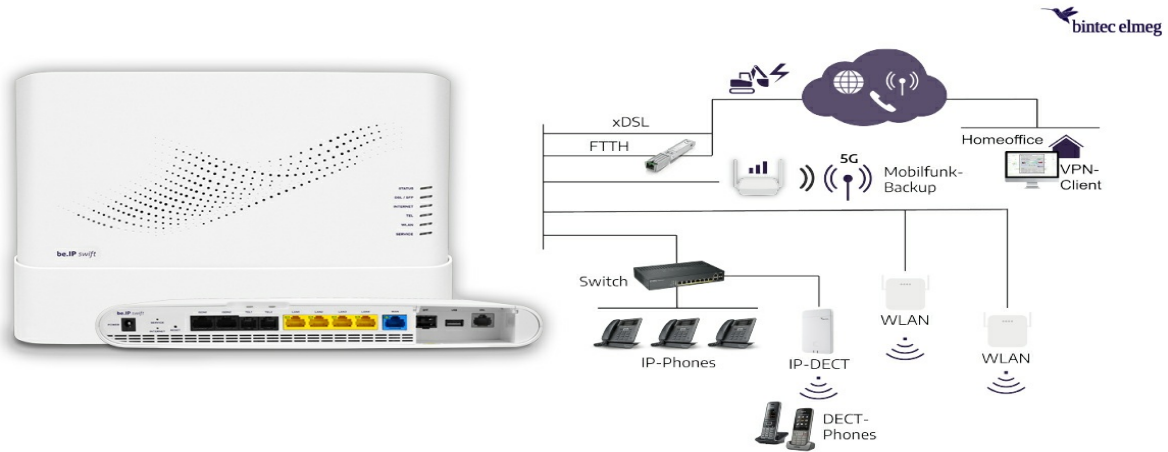
IPv6 Basic Specification [RFC2460], IPv6 Addressing Architecture basic, [RFC4291], Default Address Selection [RFC3484], Path MTU Discovery [RFC1981], Classless Inter-domain routing,

ADDITIONAL TECHNICAL FEATURES

General data

Power consumption typically 12 watts (max. 48 Watt), Plug-in power supply: 12V/4A, Dimensions: 240 x 310 x 115 mm (HxWxD), Weight: 620g, Table-top unit with separate stand, wall mounting possible

Scenarios



Teldat Group HEADQUARTERS-en

SPAIN
 Calle Isaac Newton, 10
 Tres Cantos - 28760
 Madrid (Spain)
 Phone:+34 91 807 6565
info@teldat.com

GERMANY
 bintec elmeg GmbH
 Suedwestpark 94. 90449
 Nuremberg (Germany)
 Phone: +49 911 9673 0
info@bintec-elmeg.com

©2022 Teldat S.A.
 Publish Date: April, 27th 2022
 Version: 20221103113200