

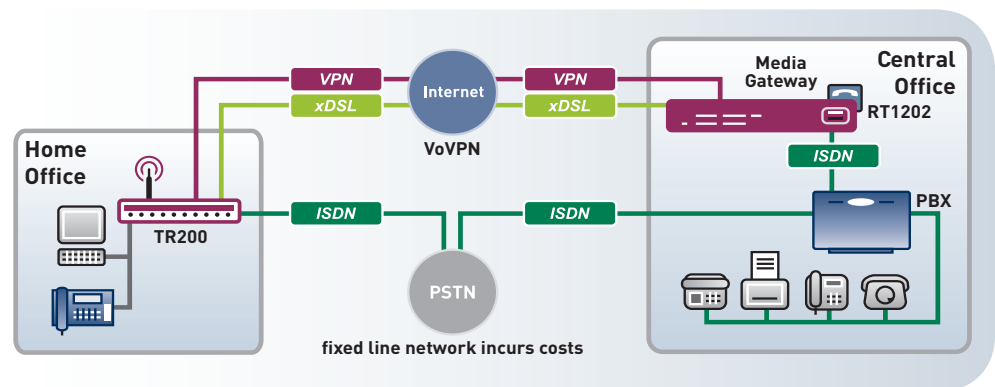
Application Sheet

TR200 – Home Workstations with Voice and Data Connection

For reasons of cost and time, the use of home and remote workplaces is becoming increasingly attractive for companies and employees alike. Employees connected in this way can be deployed more effectively, especially in the part-time domain. Here it is important that the employee can access the company's data resources, as well as being integrated in the company's telephony infrastructure. In addition, there should also be the option of separately dialing-in to the local telephone network. In order to protect sensitive corporate data, but also to make phone conversations more tap-proof, it is important to protect the data and telephony traffic conducted via the unprotected medium of the Internet if this exists for bandwidth and cost reasons.

Benefits / Highlights:

- ▶ Secure voice and data connections to the central office through IPsec with powerful encryption and the support of certificates
- ▶ High voice quality through separate prioritization of voice and data with dynamic bandwidth management
- ▶ Secure data connection also via WLAN at the home workplace - also via RADIUS server
- ▶ XAdmin compatible for large scale rollout and management
- ▶ System or multi-device connection at the home workplace in parallel to VoIP connection to the central office
- ▶ Emergency number preference switching and direct calling at the home workplace
- ▶ High-quality PBX feature set incl. ISDN system telephony within the home workplace
- ▶ Analog, ISDN, SIP phone can be used in combination at the home workplace



Telephony and data connection of the home office workplace to the central office

Solution:

The connection in the home office is through the multifunction gateway TR200.

PSTN telephony with many features via the classical local ISDN network is therefore just as feasible as VoIP telephony via SIP providers or to the central office via an encrypted VPN tunnel. Standard ISDN or analog phones can, of course, also be used on the multifunction gateway TR200 besides elmeg VoIP phones.

ADSL2+, Ethernet switching and WLAN connect the home workplace with the Internet.

The TR200 gateway logs on to central office as a subsidiary on an RT series media gateway. RTxx02 itself is connected as an internal subscriber to the existing PBX with the ISDN connections. Incoming calls to the classical PBX are not only signalled to the internal phone, but also to the phone in the home office via the media gateway and TR200. Both phones are obtainable under the regular direct number. At the same time, data can be transmitted through the media gateway via secure VPN connections.

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ROUTERS:

bintec TR200aw/bw

ADSL2+ modem, PBX functionalities, router and WLAN access point in one device

- ▶ Art. No. 5010660000 (TR200aw); 5010660001 (TR200bw)
- ▶ System and multi-device connection
- ▶ Analog, ISDN and SIP phones
- ▶ Emergency number preference switching
- ▶ Integrated 4 DSP module for VoIP
- ▶ High-quality PBX feature set

ISDN system telephony within the home workplace

- ▶ 5 VPN tunnels (IPSec and PPTP)
- ▶ Dynamic broadband management for high quality voice/data connections
- ▶ WLAN with WPA 2 (PSK, RADIUS)
- ▶ Separable 4-port switch
- ▶ Stateful inspection firewall
- ▶ XAdmin compatible for large scale rollout



bintec RT series – Media Gateways

- ▶ CAPI server virtualization + fax G3
- ▶ VoIP and fax over IP (T.38)
- ▶ 19-inch housing with integrated power supply
- ▶ 10 (opt. up to 110) VPN tunnels with IPSec, PPTP, support of certificates
- ▶ Hardware acceleration
- ▶ Configuration Interface with

integrated assistants

- ▶ Stateful Inspection Firewall
- ▶ SIP Application Level Gateway
- ▶ Device redundancy with BRRP
- ▶ Connection to RADIUS server
- ▶ Variably applicable with Ethernet WAN (separable 4+1 port switch)



Fax Media Gateways	bintec RT1202	bintec RT3002	bintec RT4202	bintec RT4402
Art. no.	5510000228	5510000229	5510000231	5510000232
ISDN BRI and FXS	2 x BRI	4 x BRI	4 x BRI + 4 FXS internal	2 x BRI + 2 x PRI
DSP	4 channels	8 channels	12 channels	60 channels
Ethernet Switch	5 x Gigabit Ethernet	5 x Gigabit Ethernet	5 x Gigabit Ethernet	5 x Gigabit Ethernet
Fax over IP (T.38) / Fax G3 (T.30)	4 / 4	8 / 8	8 + 4 / 8	30 (opt.) / 30 (opt.)

SOFTWARE:



XAdmin

- ▶ Installation on LAN server (Linux)
- ▶ Automated / event-controlled initial configuration and updates
- ▶ Inventory of existing and new target routers
- ▶ Application in ISDN and IP environments

Software	XAdmin		
	150 licenses	500 licenses	unlimited
Art. no.	80030	80033	80035

SUPPLEMENTARY COMPONENTS:

packet alarm UTM series

Unified Threat Management systems to protect the entire LAN. packetalarm UTM identifies diverse attacks and threats in real-time and blocks hazards in a targeted manner.



elmeg IP290

- ▶ Art. no. 1091921
- ▶ VoIP/SIP phone for expanding the internal phone network by means of IP.



elmeg CS290

- ▶ Art. no. 1089650 (black-blue)
- ▶ Art. no. 1090950 (ice gray)
- ▶ ISDN system phone for use of the ISDN system telephony functions
- ▶ 2-line display
- ▶ Headset jack

elmeg CS400xt

- ▶ Art. no. 1091514 (black-blue)
- ▶ Art. no. 1091581 (ice gray)
- ▶ ISDN system phone for use of the ISDN system telephony functions
- ▶ 7-line illuminated graphic display
- ▶ Headset jack
- ▶ 15 function keys



elmeg CS410

- ▶ Art. no. 1091514 (black-blue)
- ▶ Art. no. 1091581 (ice gray)
- ▶ ISDN system phone for use of the ISDN system telephony functions
- ▶ 7-line illuminated graphic display
- ▶ Keyboard extensions possible
- ▶ Headset jack for DECT DSHG headset
- ▶ Optional answering machine



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