



## Data sheet



### Housing

Size: 210 x 144 x 32 mm  
1 HE for 19" systems  
Prepared for wall mounting

Weight: 800 g

### Interfaces

1 x Ethernet: RJ 45 interface 10/100-BASE-TX  
(auto negotiation), Power over Ethernet  
(802.3af, Class 3)

8 x a/b interface, FXS, international RJ-11,  
two PINs in the middle used

### Hardware

Power supply:  
Power over Ethernet (802.3af, Class 3)  
or  
external power supply  
Power consumption: see wiki-article  
„HowTo:Power Consumption“

Digital Signal Processor (DSP)  
for codecs up to eight voice channels  
16 MB SDRAM, 8 MB Flash

Operation temperature: 0 °C to +45 °C,  
Humidity: 10% to 90%  
(not condensed)  
Storage temperature: -10 °C to +70 °C

### Protocols

H.323 version 5  
SIP version 2, conform RFC 3261  
SIP over UDP, TCP, TLS, SIPS  
RTP, SRTP, RTCP  
T.38 (Fax)

### Voice Codecs

G.711 A-law /  $\mu$ -law,  
G.729AB,  
VAD, CNG  
Dynamic Jitter Buffering  
Echo Compensation: G.168

### Network

PPPoE, manual or automatic connection after  
boot  
PPTP Tunneling up to 32 tunnels  
simultaneously, encoding via MPPE  
NAT, H.323-NAT  
RSTP, IEEE 802.1x  
VLAN-ID (DHCP and LLDP/MED support)  
NTP support

### Administration

Password protected administration via web-  
browser

Bug tracking:  
Log and trace files  
Display of interface and connection status  
Ping – connection test for Internet Protocol  
Sending SNMP Traps

Update:  
Save and reload config files  
Boot code and firmware update via HTML  
upload  
Automatic update via update server

### Supplementary services

- Call transfer with and without consultation
- Call hold / retrieve with music on hold
- Call waiting acoustic and optical signaling of waiting calls
- Calling Line Identification Presentation (CLIP)
- Calling Line Identification Presentation Restriction (CLIR)Call completion on busy and no reply
- DTMF tone detection & ringing
- Separate volume settings for external devices
- Call forwarding unconditional, busy and no answer
- Lock & unlock using PIN
- Do not disturb, for internal and external calls separately
- Call pick-up, global and for specific numbers
- Call park and unpark
- Separate login and logout for user groups

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