



## Data sheet



### Housing

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

Weight: 660 g

### Interfaces

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

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

### Hardware

Power supply:  
Power over Ethernet (802.3af, Class 1)  
or external power supply  
Power consumption: see wiki-article  
„HowTo:Power Consumption“

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

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

### innovaphone PBX

Platform for up to 50 registrations

### VoIP-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 (Voice Activity Detection), CNG (Comfort  
Noise Generation)  
Dynamic Jitter Buffering  
Echo Compensation: G.168  
Modem support

### 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, Kerberos server

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

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

### Supplementary services

- Calling Line Identification
- DTMF tone generation
- Separate volume settings for external  
devices
- Detection of dialtones
- Detection of busy tones
- Detection of ringing tones and ringing  
currents