



## VoIP-Outdoor-Router-family alpha<sup>®</sup> route

The universal solution for the broadband supply and distribution in the outdoor area





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The universal VoIP-Outdoor-Router **alpha® route** is housed in a fanless aluminium enclosure with different possibilities for mounting. By different combinations of single components, a best possible adjustment to various applications can be achieved.

**Ethernet** - 4-Port-Ethernet Switch, 10/100 Mbps RJ-45 Ethernet specification IEEE 802.3 Fast-Ethernet specification IEE 802.3u, Full Duplex specification IEEE 802.3x number of available ports depending on the version

**WLAN Access Point\*** - can be configured as: 802.11g Wireless Access Point, 802.11g Wireless Root Bridge 802.11g Wireless Non-Root Bridge or as 802.11g Wireless Work Group Bridge communicates over 10/100 Fast Ethernet Interface

**VoIP\*** - SIP to ISDN-adapter for the operation of ISDN-S<sub>0</sub> modules over DSL, integrated monitoring function, SIP protocol: RFC3261; 1TR114  
Voice function also possible in case of failure of the 230 V AC over ISDN

### Power supply

Input voltage 9-32 V DC  
Power consumption typical 25 W

### LED indications

- Power
- WAN
- DSL synchronization
- SIP S0-link
- SIP-registered
- SIP/LAN O
- LAN 1
- LAN 2
- WMIC/LAN 3

at version with ADSL modem and VoIP module

**Intelligent Video Server\*** - for video streaming applications; on the basis of "Mango DSP multimedia platform"; configurable via WEB interface; 2 video inputs (Composite or S-Video); Composite-video output (MPEG4); Audio input / output 1 stereo / 2 mono (MP3)

**UMTS\*** - Conversion UMTS / HSDPA / GPRS / EDGE ↔ Ethernet10/100; Quad-Band GSM/ GPRS; UMTS WCDMA FDD 2100 MHz; HSDPA data rates 1.8Mbps Downlink, 384 kbps Uplink; GPRS / EDGE Class B, Multislot Class 10

**ADSL\*** - ADSL (Annex B [Germany]); ITU G.992.1 (G.dmt 1TR112); optional: ADSL (Annex A) ANSI T1.413 Issue 2; ITU G.992.1 (G.dmt); ITU G.992.2 (G.lite); ITU G.994.1 (G.hs); Download: up to 8 Mbps at ADSL, 12 Mbps at ADSL2 and 24 Mbps at ADSL2+, Upstream: up to 1Mbps

**Dimensions** - (W x D x H) approx. (170 x 340 x 64) mm

**PCB modules** - PC/104-Plus modules with corresponding connecting elements [specification version 2.0 November 2003]

**Climatic environmental conditions** - 3K6  
(-25 °C to +55 °C)

**Protection class** - IP54

**Approvals** - Compliant to CE according to EN 60950-1; EN 55022; EN 55024 class B ElektroG for all countries of the EU and Switzerland

\* depending on the equipment

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