



## 1-Port KVM over IP



### Introduction

The KVM over IP offers a comprehensive solution for server management. You can use the KVM over IP to manage and monitor components in your servers through a modem or LAN, even if your network is down. The KVM over IP redirects local keyboard, mouse and video data to a remote administration console. All data is transmitted with the TCP/IP protocol family. The KVM over IP can be used in a multi-administrator and multi-server environment as well. Combining the KVM over IP with a KVM switch allows accessing multiple remote servers over one single remote console.

### Features

- Allows KVM access to any computer via Internet
- Total access under any OS, in BIOS mode, during boot, at Blue Screens
- Secure against hackers through certificate and encryption
- No additional software necessary
- Real power management possible through IPMI 2.0

### General Functionality overview

#### KVM Transmission

- Transmission of video signals with up to 1600x1200 Pixel @ 60 Hz
- 24, 8, 4, 2, 1 Bit video encoding, manual and automatic adjustment
- Support of all standard VGA and VESA modes (graphics and text)
- Support of standard MAC and SUN modes
- Emulation of mouse and keyboard over USB
- Emulation of mouse and keyboard by using PS/2 (Optional, with Port Replicator cable)
- Compliant to actual KVM switches
- Resolution at the local port: 2048x1536 @ 85 Hz
- Works with all state of the art web browsers (MSIE, Mozilla, Oper,...)
- Remote virtual media emulation via USB (CD-ROM, Floppy, Superfloppy)

#### Network access

- Access via 10/100 Mbps LAN
- LED for link activity and 10/100 Mbps indication
- Communications over TCP/IP port 80 and port 443 (reconfiguration possible)
- IP-configuration via DHCP/BOOTP or static
- HTTP und HTTPS (secure) Web Server
- Access via telnet protocol
- Support of standard Hayes compatible modems
- Speed of modem up to 115200 bps
- Automatic adjustment of video compression ratio to available bandwidth

#### Security

- SSLv3/TLSv1 encryption of all data with up to 256 bit
- Support of SSL certificate management
- Persistent logging of all important events
- Up to 25 user profiles definable, three user levels (super user, administrator, normal user)

#### Further Functions

- Remote Power On/Off over IPMI 2.0 possible
- Firmware update via Web interface
- Intuitive GUI based on HTML templates

#### Technical Data

- Dimension: 95 mm (D) x 25 mm (H) x 72 mm (W)
- Housing: Aluminium silver anodized
- Weight: < 150 g
- External power supply unit: 5 V / 1.5 A
- Power supply over USB, no guarantee for sufficient power supply of 700 mA
- Power consumption: up to 700 mA