UltraLink 2 HDMI

► Connect to a remote computer or switch over IP using VNC® Viewer from RealVNC®

► Provides BIOS level access to remote servers during boot-up

► Supports input resolution to 1920×1200@60Hz

► Enterprise grade security using AES 128- or 256-bit encryption and RSA 2048-bit public key authentication

► Local console connections for HDMI video and USB keyboard and mouse access at the unit

► USB Virtual media file transfers supported

Features and Benefits

■ Supports a single HDMI video input to 1920×1200@60Hz and remote frame rates up to 30fps

■ Supports USB-HID keyboard and mouse for the PC interface and also for the local user port

■ Offers non-blocking access for one local user and up to eight remote users

■ Uses VNC® Viewer from RealVNC® or any VNC viewer which supports RFB v3 or v4

■ Provides enterprise grade encryption (AES 128- or 256-bit) and RSA 2048-bit public key authentication

■ File transfer support using USB disc drives works in both directions

■ EDID management allows control of the video modes generated by the remote computer

■ Audio output port for speakers or headphones, with 16-bit sampling at 48kHz

■ Create up to 16 user profiles with access rights or use LDAP for external directory server access verification

■ Supports eight simultaneous remote users

■ Connects to optional Vista DVI+ KVM Switch for multiple host device access

■ Serial port for power control applications

■ Compatible with all operating systems

■ Easy installation and operation

Product Overview

The UltraLink 2 HDMI sets a new standard for easy and secure remote management of computers and other remote CPU applications.

Access your computers and servers through an IP network by using a secure RealVNC® encrypted link. The local user console allows management or maintenance access in proximity to the connected device.
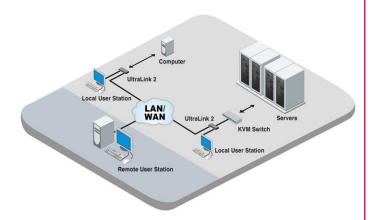
The compact UltraLink 2 HDMI enables secure remote connectivity across a corporate network and over the Internet to a single host computer, or to multiple hosts via an optional Vista DVI+ KVM switch.

The UltraLink 2 HDMI uses VNC® Viewer client software from RealVNC® that is designed for secure and high-performance computer access over IP networks. The unit accepts video from HDMI sources, or DVI, or DisplayPort DP++ (dual-mode) sources using converter cables. USB support is also present for keyboard/mouse control and virtual media transfers.

The unique advantage of the UltraLink 2 HDMI is that it does not depend on software running on the remote computer's operating system. This ensures there is no performance degradation associated with other remote solutions and also provides the authorized remote user with complete control over the host devices.

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Typical Application

Installation

The UltraLink 2 HDMI is easy to install and configure. Connect a display, USB keyboard and mouse to the local console ports, and connect the UltraLink 2 HDMI directly to a PC and a valid network. An OSD configuration window allows entry of IP address, DHCP, Net Mask, Gateway and Port access details. Video from the connected computer will be displayed on the local console's monitor, providing complete and secure control of the connected computer.

Operation

The UltraLink 2 HDMI is accessed remotely from the internet or corporate network by running VNC® Viewer software on a network connected computer. Up to 8 remote users can access the unit simultaneously.

Security

The UltraLink 2 HDMI is designed to provide highly secure access. Remote access requires a user ID and password. Up to 16 user profiles can be created with defined user rights. LDAP integration with Active Directory servers is provided for enterprise level authentication. All transmissions to and from the remote user are encrypted with the AES 128- or 256-bit encryption with RSA 2048-bit public key authentication.

Virtual media

The UltraLink 2 HDMI may be used to transfer files in both directions between the remote user's computer and the host computer.

UltraLink 2 HDMI – front panel

UltraLink 2 HDMI – rear panel

Specifications

Dimensions (W x D x H)	6.65" × 4.41" × 1.22" (169 × 112 × 31 mm)
Weight	1.3 lbs (0.6kg)
Power Adapter	100-240 VAC, 47 - 63 Hz / +12VDC 18W
Max Resolution	1920 × 1200 @ 60Hz, up to 30fps
Audio output local console	CD-quality stereo audio output for speaker or headphone is via a 3.5mm audio jack 16-bit sampling at 48kHz Embedded HDMI output is not supported
Indicators	Front panel status LEDs for Link, Local, Remote, Power RJ45 network port LEDs for link and data
CPU Connectors	1× HDMI female 1× USB Type B
Console Connectors	1× HDMI female 3× USB Type B 1× 3.5mm stereo audio jack output
Network Connector	1× RJ45 network link
Operating temperature	32°F to 104°F (0°C to 40°C)
Approvals	FCC, CE

Part numbers

UL2-DHD	UltraLink 2 HDMI
CAB-HDMIMDVIM003	HDMI to DVI converter cable, 3ft
CAB-USBAB006	USB-AB cable, 6ft (2.0m)