PHY1000P

DVI with Audio KVM Extender

Installation and User's Manual

For Sales and Service please contact
ICP Global Pty Ltd
Phone - 02 9314 2092
Fax - 02 9344 9537
Suite 603, Level 5, 152 Bunnerong Road
PAGEOOD NSW 2035

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Package Contents

The PHY1000P package consists of:

1 x PHY1000T Transmitter, 1 x PHY1000R Receiver

1 x DVI-to-DVI cable (1.2m), 1 x mini USB-to-USBA cable, 1 x Audio cable

2 x DC 12V 1Amp Power Adapter, 1 x User Manual

Check to make sure that all components are present and in good order. If anything is missing or was damaged in shipping, please contact ICP Global immediately. Please read this manual thoroughly and follow the installation and operation procedures carefully to prevent any damage to the devices.
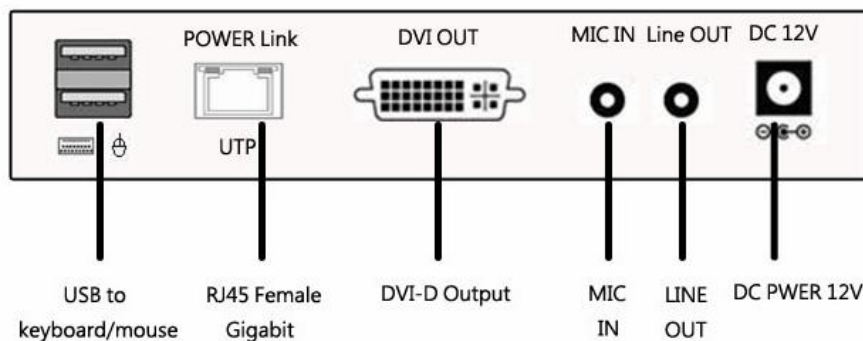
Introduction

The PHY1000P is the perfect solution to extend WUXGA (1920 x 1200) DVI-D with audio and USB keyboard/mouse across single CATx UTP cable. The extender contains a PHY1000T transmitter unit and a PHY1000R Receiver unit. Based on video compression algorithm technology, the device achieves razor sharp audio/video quality, real time USB keyboard/mouse performance in noisy environments up to 150 meters. An optional 2-way RS232 and IR extension is also available on specific models.
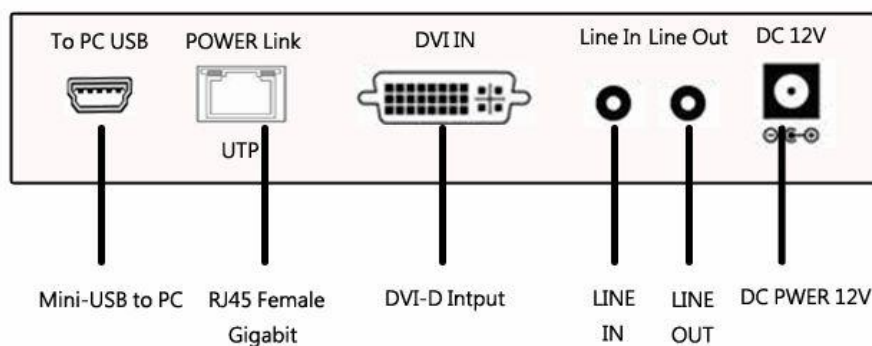
Specifications

- Supports up to DVI-D 1920 x 1200/1080P @ 60Hz resolution up to 150 metres in any noisy environment over a single CATx cable.
- Only one CATx cable required for DVI + Audio + USB HID.
- Fast USB keyboard/mouse performance; no mouse moving delay at Receiver site.
- Support bi-directional audio extension, you can have speaker/headset and microphone at Receiver site.
- Support optional IR extension, you can use IR controller at Receiver site to control the set-top box/Blue-Ray at Transmitter site.
- Support optional 2-way RS232 extension for display or system control.
- Plug-and-play, no additional software installation is required.

Connection

PHY1000R Receiver

POWER Link	DVI OUT	MIC IN	Line OUT	DC 12V
UTP				

USB to keyboard/mouse   RJ45 Female Gigabit   DVI-D Output   MIC IN   LINE OUT   DC PWER 12V

PHY1000T Transmitter

To PC USB	POWER Link	DVI IN	Line In	Line Out	DC 12V
	UTP				

Mini-USB to PC   RJ45 Female Gigabit   DVI-D Intput   LINE IN   LINE OUT   DC PWER 12V

Installation

1. Attach DVI display, USB keyboard/mouse, microphone, headset (or speaker) to the PHY1000R's DVI-Out, USB-A, Mic-In, Line-Out ports.
2. Attach PC DVI-D to the PHY1000T's DVI-In port by a DVI-to-DVI cable.
3. Connect PHY1000T's mini USB port to PC USB by a mini USB-to-USBA cable.
4. Connect PHY1000T's Line-In/Line-Out to PC Line-Out/Mic-In respectively by audio cables.
5. Use a CATx UTP cable (straight EIA 568B, max. 150 meters) to directly connect PHY1000T to PHY1000R as a pair connection.
6. Power ON the PHY1000R.
7. Power ON the PHY1000T.
8. Output PC DVI-D & audio and check if they are correctly displayed/played on remote display and speaker.
9. You should be able to see display EDID information on the PC graphic card control panel.
10. You should be able to use USB keyboard/mouse at the PHY1000R to control the PC at PHY1000T.

Diagram