DVI / USB / Audio Extender

DX100

Ethernet Network Based
DVI / USB / Audio Extender

Overview

This DVI / USB / Audio extender will allow you to locate your computer or server physically 100 m far away from the user due to either security or spatial concerns. It can be used in various environments such as exhibition rooms, working floors, security rooms, locked server rooms, command and control centers, etc.

DX100 actually comprises two small different units, a transmitter connected to the computer (DX100-TX) and a remote receiver (DX100-RX) to which are plugged the monitor and the USB devices. When they are connected with a single Cat5 or Cat6 cable, these two units establish an Ethernet 1000Base-T connection and use the TCP/IP protocol to communicate and transfer compressed digital video and USB over IP to each other. This mode of transmission based on Ethernet 1000Base-T and TCP/IP has the advantage of using well-know robust technologies that function well over 100 m simple CAT5 cables as well as across Gigabit Ethernet switches.

The receiver DX100-RX combines all the USB devices into a single link with an internal USB hub. It provides an extra analog audio input/output. This analog audio is converted to USB into the receiver and connected to the internal USB hub like all other USB devices. At the opposite side, this audio/mic port is seen by the computer like a standard USB headset.
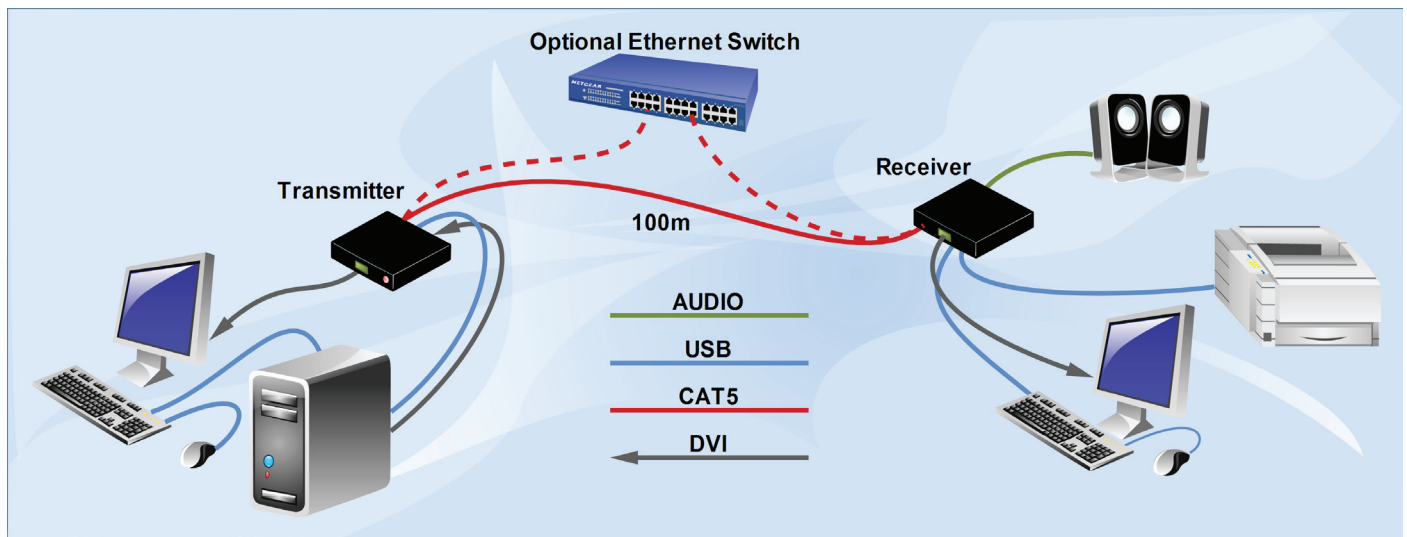
The transmitter DX100-TX captures the DVI video and sends it to the receiver. Regarding the USB, it shows to the PC a hub and the devices connected to the receiver. The transmitter provides a DVI pass through port mirroring the video received from the PC. Thanks to this port you can use a local monitor in normal conditions.

Delivery: DX100 includes the DX100-RX (receiver), the DX100-TX (transmitter), the power adapters, one DVI-D cable, one USB A to B cable, and two wall mount kits.

Main features

- CAT5 DVI / USB / Audio Extender, said "Over IP"
- Extension distance up to 100m / 330ft over a single CAT5 or CAT6 UTP cable
- Can connect via a Gigabit Ethernet switch between transmitter and receiver
- 4 x USB 2.0 ports (keyboard, mouse, RS232, USB audio, USB key, etc.)
- More USB devices are possible by using an external USB hub
- Digital video resolution support up to 1920 x 1080 (Full HD)
- DVI pass through Port on transmitter
- Selection for Graphic mode/Video mode
- Easy installation

PROSUM Networking Products

DVI / USB / Audio Extender

DX-100: Connection Diagram

DX-100 Technical Specifications

Connection Length	100 m (330 ft) max
Connection Type	1000Base-T (802.3ab) + TCP/IP protocol (do not allow Internet connections)
Video	DVI maximum resolution: 1920 x 1080 (Full HD)
USB Support	4 x USB connectors, fully transparent
Audio/Mic	Stereo CD quality
Cable for Best Results	Cat5 and Cat6.
Video Settings	Two options: Graphic (better for static images) or Video (better for movies)
Transmitter DX100-TX (Computer Side)	DVI-D female: to local monitor (pass through port) Setup buttons Indicators: Power; Link with receiver	DVI-D female: to PC USB Type B: to PC RJ45: connection to receiver 2.1mm Power Jack
Receiver DX100-RX (Remote Side)	Audio/Mic.: 2 x 3.5mm sockets Setup buttons Indicators: Power; Link with transmitter	Monitor: DVI-D female 4 x USB Type A: connections to devices RJ45: connection to transmitter 2.1mm Power Jack
Power Supply	External DC 9V 1A
Temperature	Operation: 0 to 40°C; Storage: -20 to 60°C
Humidity	0 to 90%, non-condensing
Housing	Metal
Dimensions (L x W x H)	152 x 135 x 26 mm
Weight	1200g

Ordering Information

DX-100: DVI / USB / Audio Extender