

## **What Is An HDMI Extender And Its Applications?**

An HDMI extender is the type of device which allows you to extend the distance of an HDMI signal. HDMI extenders are useful when you want to connect a PC or an HTPC (home theater PC) with a television, but the TV's HDMI input does not provide enough length. Using an HDMI signal extender, you can transmit HD video and audio signals from your computer to your TV across a room. They're also helpful in connecting multiple devices within one broad location.

### **Basic Design of an HDMI Extender**

The design of an [Hdmi Extender](#) is quite simple. It has two components - the transmitter and the receiver. The transmitter is mostly a small box, which forms the actual source of the video and audio signals for transmission.

It includes everything that goes into producing the signal, an HDMI port, and other ports for connecting other cables to it. The receiver is another small box with an HDMI port, and here all the signals are received and transmitted to your television screen or projector screen. It's not uncommon to find extenders with one-way or two-way capabilities, depending on your requirements.

### **Applications of An HDMI Extender**

HDMI extenders are very helpful devices to ensure that your home theater setup is perfect. For example, if the distance between your TV screen and projector screen is not long enough, then an HDMI extender can greatly help you. It will help you connect the systems without having to make any additional changes to your home theater setup.

It is possible to connect the extender directly to your television. Or it can be connected to the HDMI port of your computer, or it can even be connected to the HDMI port of an audio receiver. Depending on your requirements, you should choose a device that best suits you. With an extender, your home theater setup becomes simple and easy with no hassles.

### **Final Thoughts**

HDMI extenders are devices that help you extend the distance between two different devices of different types with regards to signals that they receive and transmit. They are very helpful equipment in home theaters and TV setups where there is a need for such equipment to get connected on both ends.