



HVE-6501R



HVE-6501T

HDMI over IP PoE Transmitter/Receiver

H/W Version: 1

Product Overview

The LevelOne HVE-650 Series is an innovative HDMI-over-IP Distribution Solution. Designed with transmitting units (HVE-6501T) and receiving units (HVE-6501R), it offers scalable digital signage distribution, supporting HDMI 1.3 with 1080p video resolution and simultaneous audio broadcast. The HVE-650 Series riches HDMI signal broadcasting connectivity options from small scaled home theatres, retail stores, up to large scaled public premises such as transportation hubs, leisure educational facilities, corporate premises and more.

Powerful Distribution Capabilities

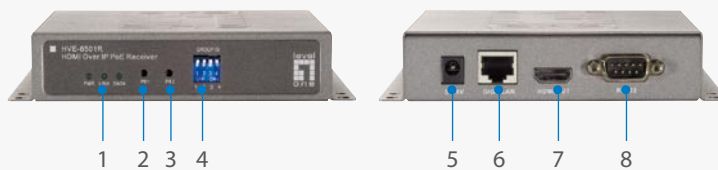
The pioneering LevelOne HVE-650 system expands HD digital content reachability. Allowing multiple sources extend to more than 200 remote displays in LAN without limit by cascading managed switches. The solution is highly flexible that Point-to-Point or Point-to-Many topologies could be conveniently arranged. And to meet wider range of application requirement, Many-to-Many connection is also easily achievable and manageable through VLAN & IGMP

v1/v2 with a managed network switch, where multiple video sources could be freely distributed to required monitors. With advanced broadcasting technology the bandwidth is not heavily loaded to the number of displaying units.

PoE Connectivity, Centralization and Grouping

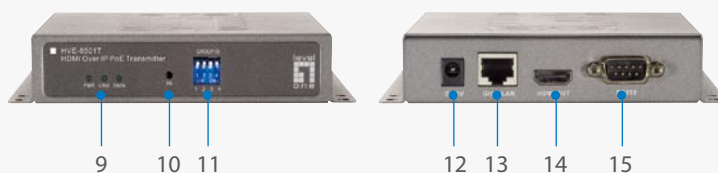
The LevelOne HVE-650 Series offers options to be powered by PoE (with 802.3af standard) or external power supplying unit. With implementation of PoE web smart managed switch in the system, the receiving units could be powered on or off from control station. RS-232 over TCP/IP technology is incorporated with the HVE-650 solution, centralizing adjustments of HDMI display monitors settings. This enables the possibility of switching power, adjusting contrast and brightness of monitors remotely (this function is available depending on the of monitor model). Additionally, video sources could be distributed per preset display group via easily hardware adjustment of DIP switches. Or alternatively, software utility is available for distribution management.

HVE-6501R



- 1. LEDs
- 2. Push Button1
- 3. Push Button2
- 4. Group ID
- 5. DC input 5V/A
- 6. Gigabit Ethernet Port
- 7. HDMI Output
- 8. RS-232 for TV

HVE-6501T



- 9. LEDs
- 10. Push button1
- 11. Group ID
- 12. DC input 5V/A
- 13. Gigabit Ethernet Port
- 14. HDMI In
- 15. RS-232 for PC



Key Features

- Flexible and scalable HDMI 1080p Video Broadcasting with Gigabit Ethernet LAN
- Multicasting and broadcasting architecture, no more bandwidth loading
- Transmits an HDMI signal over one CAT5e/6/7 cable.
- HDMI 1.3b and HDCP 1.2 compliant
- Dual power input: 802.3af compliant PoE & DC5V
- Up to 16 transmitters and more than 200 receivers possible in a single system
- Built-in DIP switch to change Group ID and Utility for remotely
- RS-232 Control Pass-Thru to control HDMI display from transmitter side

Relate Products

**GEP-2450**

24 GE PoE with 4 Dual Speed Combo SFP Web Smart Switch

**POR-0120**

Gigabit PoE repeater

Technical Specifications

Maximum Resolution

HDTV 1080p (1920x1080 @ 60Hz)

System Cable

CAT5e/6/7 UTP/FTP/STP cable

HDMI Connector

Type A 19 pin, female

Signal type

HDMI 1.3 & HDCP 1.2 compliant

System Connector Type

100/1000Mbps RJ-45

Audio

HDMI formats

LED Indicator

PWR: Power LED indicator

LINK: LAN connection indicator

DATA: Data link indicator

Push Button

Push Button1: change Link / Unlink; Engineering Mode and Reset to default

Push Button2(for Receiver only): change between Video Mode / Graphic Mode ; Anti-Dither ; Update EDID

Multicast and broadcast

Support Point-to-Point, Point-to-Many and Many-to-Many network configuration

Multi-casting group with Gigabit Ethernet switch (required 802.1Q VLAN & IGMP v1/v2)

RS-232

DB9-F RS232 Port

Operating Temperature

0°C to 50°C

Operating Humidity

10~85% RH (no condensation)

Storage Temperature

-10~80°C

Storage Humidity

5~95% RH (no condensation)

Dimensions

140x114x28 mm

Power & Consumption

5V/1A DC , 802.3af PoE

Power consumption: Max. 8W

Weight

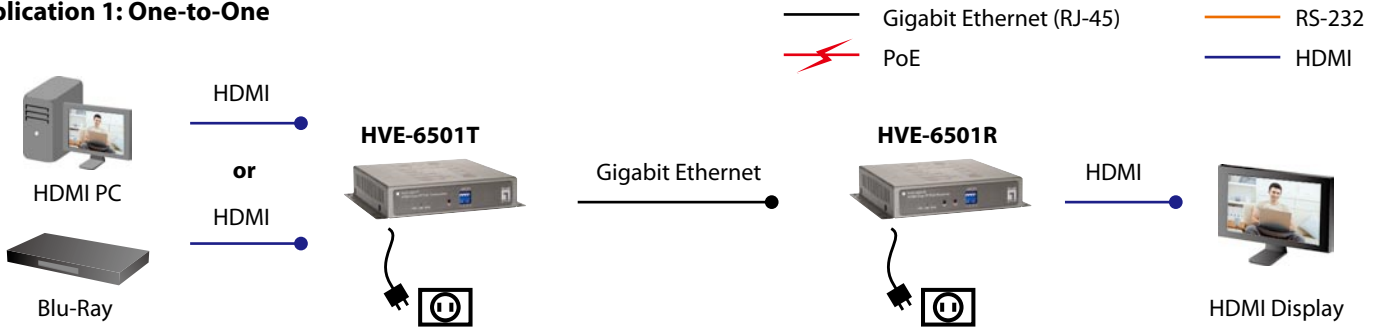
0.8kg

regulatory Approvals

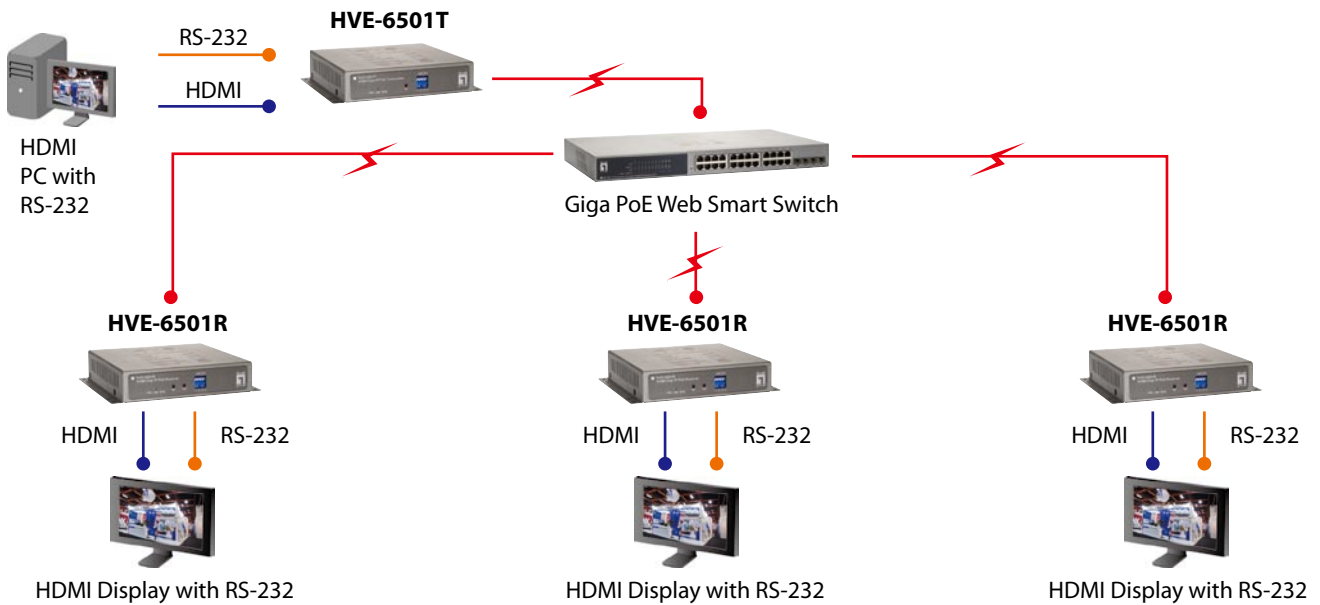
CE, FCC

Product Diagram

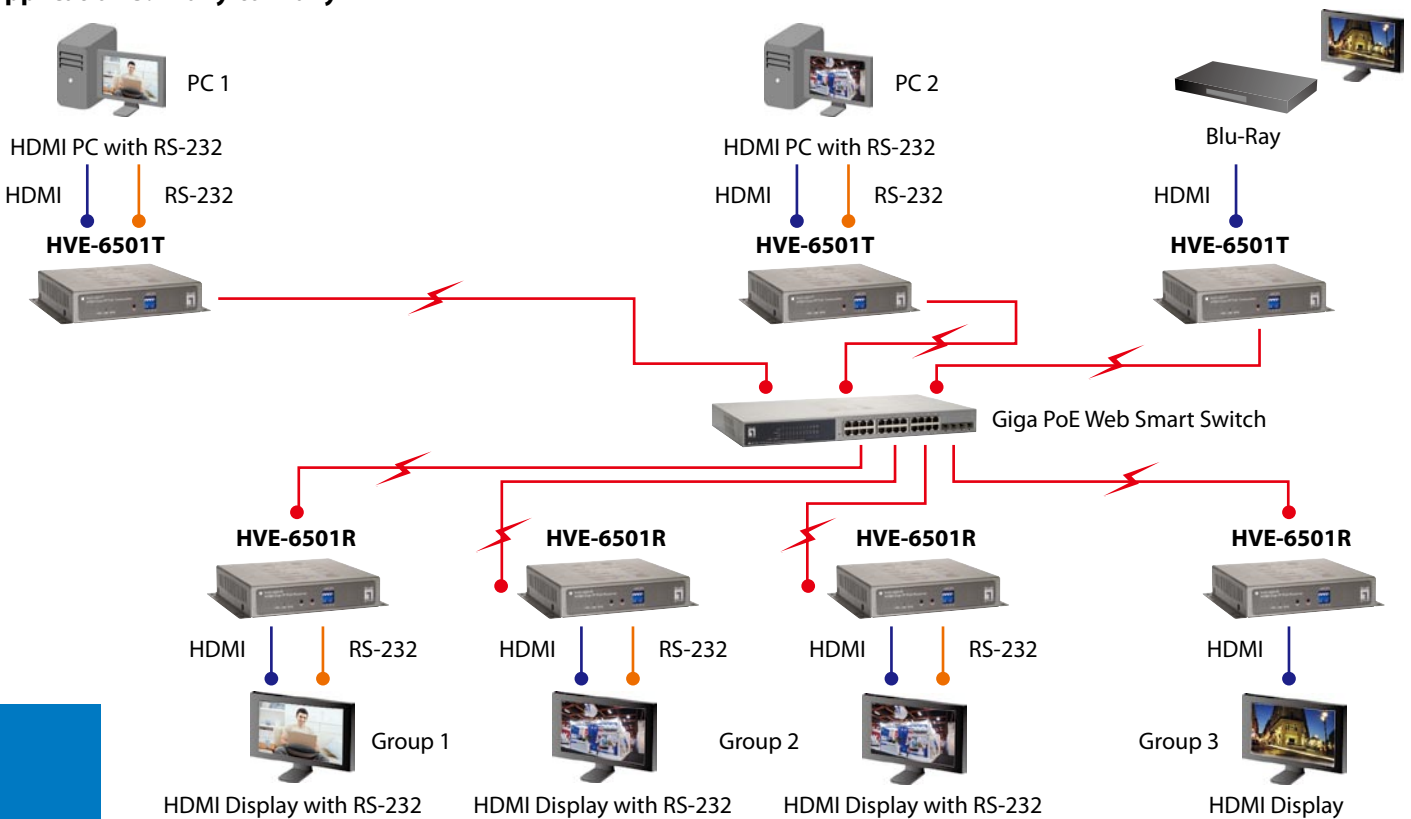
Application 1: One-to-One



Application 2: One-to-Many



Application 3: Many-to-Many





Order Information

HVE-6501T: HDMI over IP PoE Transmitter

HVE-6501R: HDMI over IP PoE Receiver

Package Contents

HVE-6501T:

Power Adapter

CD Manual/Utility

Quick Installation Guide

HVE-6501R:

Power Adapter

CD Manual/Utility

Quick Installation Guide