HVE-6501R Version: 1

🔵 **Power supply unit is to be ordered separately.**

HDMI over IP PoE Receiver

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 isolation 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

1 2 3 4   5 6 7 8

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

9 10 11   12 13 14 15

Key Features

- Flexible and scalable HDMI 1080p High Quality Video Broadcasting with Gigabit Ethernet LAN
- Multicasting and broadcasting architecture, adding more displays without adding LAN bandwidth loading
- Transmits HDTV resolutions up to 1080p.
- Transmits an HDMI signal over one CAT5e/6/7 cable.
- HDMI 1.3b and HDCP compliant
- Support Point-to-Point, Point-to-Many and Many-to-Many network configuration
- Dual power input: 802.3af compliant PoE & DC5V
- Up to 16 transmitters and more than 200 receivers possible in a single system
- Multicasting group with Gigabit Ethernet switch via 802.1Q VLAN and IGMP
- Built-in DIP switch to change Group ID and Utility for remotely
- Multi-casting group with Gigabit Ethernet switch (required 802.1Q VLAN & IGMP function)
- RS-232 Control Pass-Thru to control HDMI display from transmitter side
- Plug and Play installation, free bundle utility for advance setting

Specifications

System Specifications

Port:
10/100/1000 Mbps PoE port
Power Jack
RS-232
HDMI Connector

Button/Knob:
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

Resolution:
HDTV 1080p (1920x1080 @ 60Hz)

Power Input:
5V/1A DC , 802.3af PoE

Power Consumption:
Power consumption: Max. 8W

Supported Resolution:
HDTV 1080p (1920x1080 @ 60Hz)

Operating Temperature (°C):
0°C to 50°C

Operating Humidity (Non-condensing):
10~85%

Storage Humidity (Non-condensing):
5~95%

Physical Specifications

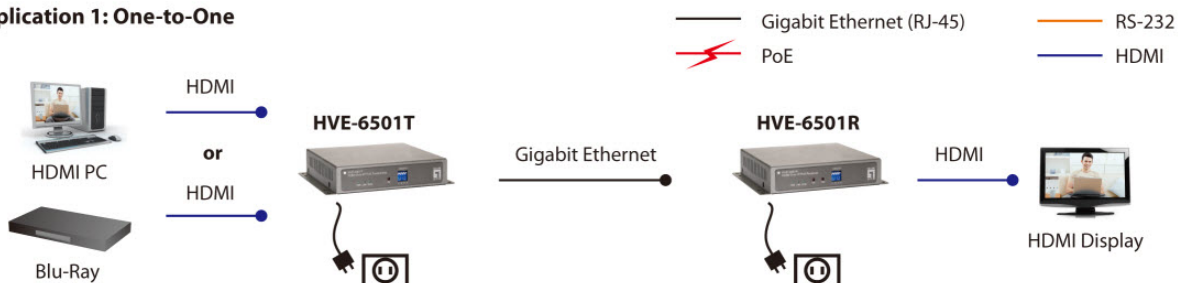Dimensions (W x D x H mm):
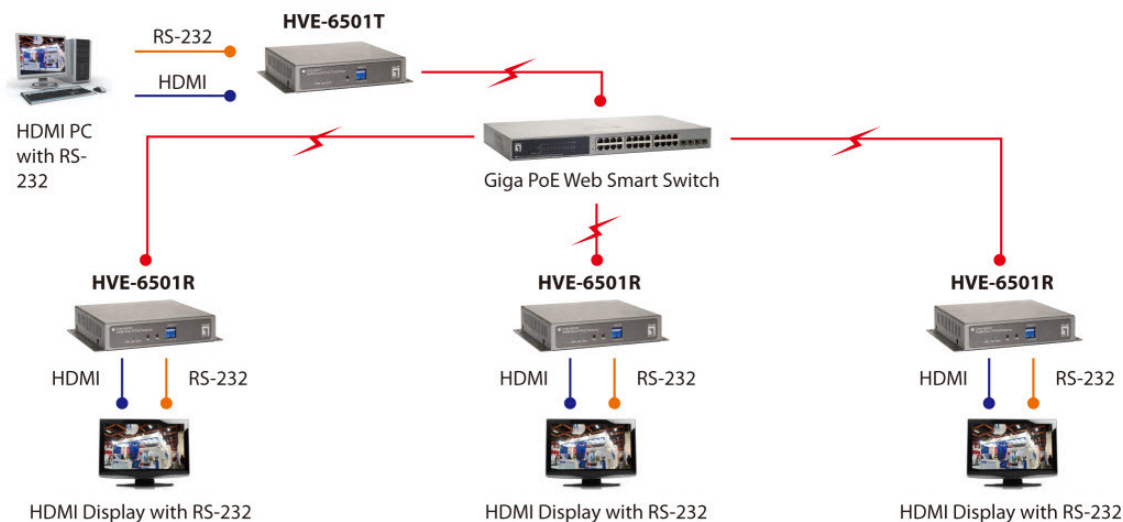140x114x28 mm

Weight (g):
800
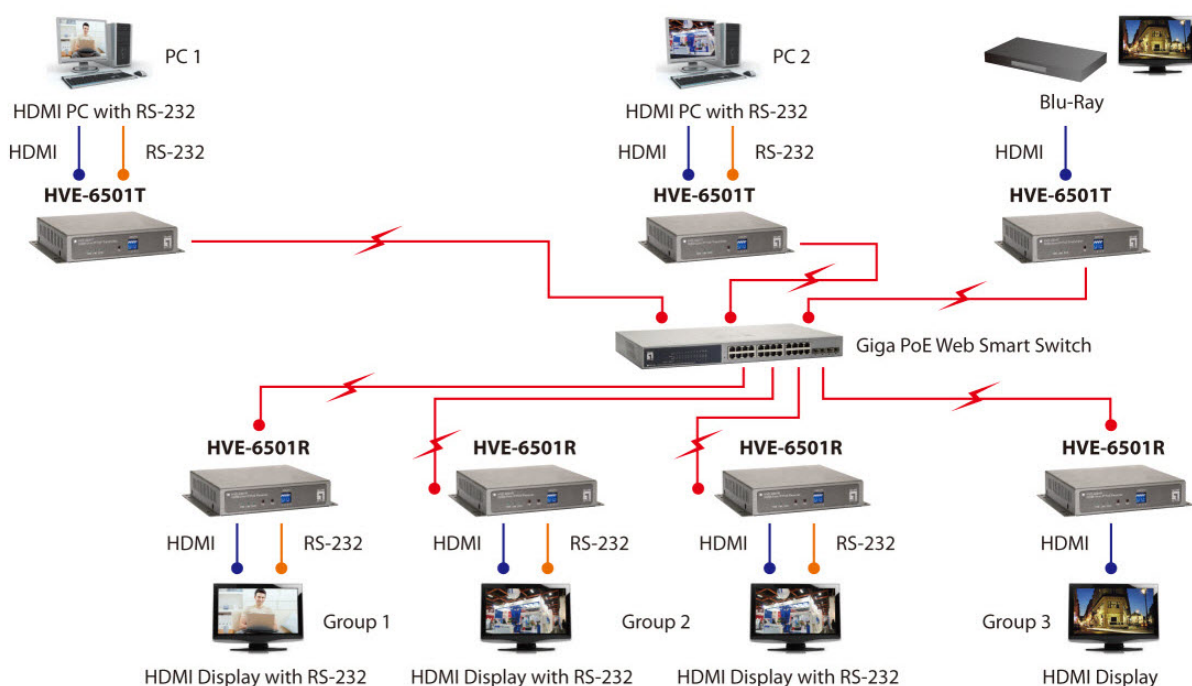
Approval and Compliance

EMI/EMS:
CE/FCC

Diagram

Application 1: One-to-One

- HDMI PC
- Blu-Ray
- HDMI
- or
- HDMI
- HVE-6501T
- Gigabit Ethernet
- HVE-6501R
- HDMI
- HDMI Display

Legend:
- Gigabit Ethernet (RJ-45)
- PoE
- RS-232
- HDMI

Application 2: One-to-Many

Application 3: Many-to-Many

Order Information

HVE-6501R

Package Contents

HVE-6501R