

A very flexible and versatile video-over-IP solution offering several features and capabilities making the E400U suitable for a wide variety of situations. No specialist networking knowledge is required as the E400U devices will automatically discover themselves and begin sending video-over-IP within minutes.

Features

- Sends 4K HDMI 2.0 UHD over Ethernet
- Supports LPCM, Dolby TrueHD, DTS and DTS-HD Audio Modes
- One-To-One Extender – with KVM options
- One-To-Many Extender – to an infinite number of displays
- Video Wall Mode up to 8x8 displays
- Flexible Matrix Mode to very large sizes
- Seamless Matrix Switching
- Scaling video the Receiver output – scales up or down per receiver
- Easy to use Configuration Software (for Windows only)
- Built-In Web Interface for Configuration Options
- Visually Lossless
- Low Latency

The following features are only available when configured for One-To-One Extender (KVM) Mode:

- Bi-Directional RS232 up to 115.2kbps
- Two-Way Audio
- USB 2.0 HID with support for Touchscreens and Memory Sticks
- Wideband IR from E400U-T to E400U-R
- No Ethernet switch required

Matrix Mode, One-To-Many and Video Wall applications require the use of any Layer 3 Gigabit Ethernet Switch with Jumbo Frame enabled.

Transmitter



Panel Item	Description
Gigabit Ethernet	Connect to Gigabit Ethernet switch or directly to E400U-R.
HDMI in	Connect to HDMI source, or use HDMI-to-DVI adapter cable for DVI source.
Line in	Audio line in – external audio to the receiver.
Line out	Audio line out – external audio from the receiver.
USB-to-PC	Connect this USB-B to PC for USB 2.0 extension.
DC 12V In	System power input.
System LED (Green) Link LED (Amber)	These two LEDs provide a basic system status indication
RS-232	Provide Serial-over-IP function. (Pin assignment: Tx-D-RxD-GND)
IR Blaster	Connect to external IR Transmitter
Setup	Use to reset the E400U to factory defaults
Video Mode	Sets or clears various video mode options

Receiver



Panel Item	Description
Gigabit Ethernet	Connect to Gigabit Ethernet switch or directly to E400U-T.
HDMI Out	HDMI to a maximum resolution of 4K, including 1080p.
Mic. IN	Microphone Input, it will be extended to the Line Out of E400U-T.
Audio OUT	Audio line out, it is extended from Line In of E400U-T.
DC 12V In	System power input.
System LED (Green) Link LED (Amber)	These two LEDs provide a basic system status indication
IR Receiver	Remote Universal IR receiver (optional).
RS-232	Provide Serial-over-IP function. (Pin assignment: TxD-RxD-GND)
Video Mode button	Sets or clears various video mode options
Link button	Resets the link between the transmitter and the receiver
USB 1.1 Host	2 USB-A ports for USB 1.1 devices like Keyboard, Mouse, Printer, ...
USB 2.0 Host	2 USB-A ports for USB 2.0 devices like USB Disk, Touch Screen, ...

Specifications

Video Input / Output	
Input / Output Connector	Female HDMI Type A
HDMI Standard	Supports HDMI 2.0 up to 4K@30 & HDCP2.2, backward compatible with all previous standards.

Video General	
Video Signal	HDMI (or DVI-D)
HDMI In/Out cable length	10m HDMI cable (4K 30Hz 4:4:4) maximum
Transmission Distance Using HDBaseT (cat6a)	Up to 100m (4K 30Hz), or 150m @ 1080p
Resolution	VESA and SMPTE 480p to 2160p (4K UHD) with 3D. (All resolutions to: 4096x2160p @60Hz 4:2:0 8bit, 3840x2160p @30Hz 4:4:4) All PC resolutions to 1920x1200
Color depth	8, 10, 12, 16 bit per colour per pixel
Chroma Subsampling	4:4:4, 4:2:2, 4:2:0
HDCP	All versions up to HDCP 2.2
EDID Management	In-built EDID data and manual EDID management
CEC	Pass through
Bandwidth	18 Gbps maximum

Audio General	
Digital Audio	Supports all audio including PCM, Dolby True HD, DTS, DTS-HD
Analogue Output	Stereo audio output
Frequency Response	20Hz ~ 20KHz
Output Connector	1 x 3.5mm stereo jack (L/R)

Controls	
Option Mode Switches	Pushbutton switches for setting various modes
USB	2x USB 1.1 ports and 2x USB 2.0 ports

General	
Power Supply	12V DC 1.0A
Power Consumption	1.2W
Temperature	0 ~ +45°C
Reference Humidity	10 ~ 90%
Dimension (W*H*D)	163.0 mm x 28.0 mm x 88.0 mm
Net weight	145 g