



Pacific X-HDUP/RP

The Pacific Extender with PoE (Power over Ethernet) delivers uncompressed video, audio, mouse/keyboard, IR and DC power over a single CAT5e/6 Ethernet cable. The Pacific X-HDUP 1RU chassis can house 6 modular HDMI/VGA input cards (X-HDUTP/VDUTP) for concurrent signal extension up to a distance of 100 meters.

Each X-HDUTP/VDUTP is equipped with an HDMI loop output for local monitoring or used as

another X-HDUTP's source. Consecutive looping through multiple X-HDUTP facilitates distributing and extending a video signal up to 12 locations in parallel, making the Pacific Extender well-suited for high-resolution signage displays.

With support of human interface device (HID), the Pacific Extender is also an ideal solution for extending touchscreen functionality.

FEATURES

- Modular 1RU chassis houses up to 6 independent and field-serviceable HDMI/VGA input cards
- Extend HDMI/VGA transmission up to 100 meters at 1080p @60 Hz*
- HDMI input card supports both 8-bit and 10-bit Deep Color
- VGA input card converts VGA signal with analog stereo audio to HDMI for local and remote monitoring
- Support VESA DDC and Hot-Plug Detect (HPD) for easy plug-and-play installation
- Support USB HID for mouse, keyboard, and touchscreen extension
- AC and DC dual redundant power supply (X-HDUP); no power adapter is required on the receiver unit
- Active HDMI loop output for local monitoring confirmation or signal distribution**
- Dolby® TrueHD and DTS-HD master audio pass-through
- Provide stereo audio output for monitoring (audio in PCM output)
- Support for infrared (IR) control
- Incorporate HDMI® technology (HDCP compliant)
- Wake-on-LAN utility supports booting or waking up hibernated computers from distance over network
- PSE (power provider) supports PD (consumer) signature for no PD protection

*CAT6 or better cable is recommended.

**Contact Avitech for more information on X-HDUTP card model with the consecutive looping function.

SPECIFICATIONS

	X-HDUP (Transmitter)		X-HDURP (Receiver)
	X-HDUTP (HDMI CARD)	X-VDUTP (VGA CARD)	
VIDEO BANDWIDTH	Single link 225 MHz	Single link 225 MHz	Single link 225 MHz
VIDEO SUPPORT	HDMI 1080p @50/60 Hz 1080i @50/60 Hz 720p @50/60 Hz DVI-D 1080p @50/60 Hz 1080i @50/60 Hz 720p @50/60 Hz 576i @50/60 Hz 480p @50/60 Hz	Up to 1920 x 1200 @60 Hz	HDMI 1080p @50/60 Hz 1080i @50/60 Hz 720p @50/60 Hz DVI-D 1080p @50/60 Hz 1080i @50/60 Hz 720p @50/60 Hz 576i @50/60 Hz 480p @50/60 Hz
COLOR DEPTH	8-bit / 10-bit	8-bit	8-bit / 10-bit
TRANSMISSION OVER UTP	1080p @60 Hz (100m)	1920 x 1200 @60 Hz (100m)	—
AUDIO SUPPORT (Pass-Through)	Surround sound (7.1 ch) Dolby® TrueHD and DTS-HD	Analog stereo (via proprietary VGA with audio cable)	Surround sound (7.1 ch) Dolby® TrueHD and DTS-HD
AUDIO MONITORING OUTPUT	—	—	Analog stereo (via stereo phono jack)
HDMI LOOP OUT	Yes	Yes (converted VGA with embedded audio)	—
IR CONTROL	IR transmitter (IR blaster or via an IR blaster extension cable)		IR receiver
IR CARRIER FREQUENCY	30–56 KHz	30–56 KHz	30–56 KHz
HDCP COMPLIANT	Yes	—	Yes
DVI SUPPORT	Yes (via DVI to HDMI adapter)	—	Yes (via HDMI to DVI adapter)
POWER REQUIREMENTS	100–240V AC / 48V DC adapter (optional redundant DC power supply) Max. 120 Watt		5V DC / Max. 10 Watt (powered by X-HDUP over Ethernet cable; no external power adapter is required)
DIMENSION (L×W×H)	17.28 x 9.63 x 1.75 inch (43.90 x 24.46 x 4.44 cm)		4.06 x 5.71 x 1.22 inch (10.30 x 14.50 x 3.10 cm)
WEIGHT	6.46 lbs (2.93 Kg)		0.60 lbs (0.27 Kg)
TEMPERATURE	Operation 0 °C (32 °F) to 40 °C (104 °F) Storage -10 °C (14 °F) to 50 °C (122 °F)		
HUMIDITY	0 % to 80 % relative, non-condensing		
SAFETY REGULATIONS	FCC, CE, C-Tick, Class A		FCC, CE, C-Tick, Class B

Specifications and data are subject to change without notice.

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Pacific X-HDUP
Rear Panel



Pacific X-HDURP
Rear Panel



Multiviewers | KVM Switchers | Wall Processors | Converters | Extenders | HDMI/SDI Switchers | Distribution Amplifiers

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