

Gefen Ships 6 AV-Over-IP Products

Written by Alice Marshall
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Gefen starts shipping 6 products making part of the gen 2.0 AV-over-IP line-- including models handling the DVI VM, VGA KVM and audio-only input and output formats.



The Gen 2.0 KVM line claims 4K UHD with HDR support, built-in scalers, video wall control, independent USB, RS232, IR, audio routing and backward-compatibility with 1st generation products. A KM Emulation feature facilitates real-time, simultaneous keyboard and mouse control of each source from all connected workstations, eliminating the inherent limitations of earlier systems. HDMI and DisplayPort products feature maximum input resolution of 4K 60 Hz 4:2:0, and maximum output resolution of 4K 30 Hz 4:4:4. HDCP 2.2 and 1.4 are also supported. The DVI and VGA models support VESA and CEA resolutions up to WUXGA (1920×1200 at 60 Hz) and 1080p Full HD (1920×1080 at 60 Hz).

The Sender units (except DisplayPort) feature a video output for local source monitoring. USB, RS232 two-way IR and audio can be routed independently between any sender and receiver unit, allowing end users to control any of the sources and displays within the network. Meanwhile new digital and analog audio over IP units allow installers to add audio-only nodes to an installation. Each receiver can play back audio from any Gefen AV-over-IP sender unit, including audio de-embedded from HDMI inputs.

All KVM and AV receivers feature a built-in scaler, as well as a video wall controller able to handle any screen configuration up to 16x16 in sizing and manipulating live and signage content. Digital and analog audio break-out HDMI, DVI and DisplayPort receivers allow the sending of embedded video to a separate audio system, enhancing the impact of presentations in large venues. HDMI models pass 7.1 channels of HBR (High Bit Rate) and LPCM digital audio from source to display.

The Receivers have a USB hub with two USB 2.0 and two USB 1.1 ports to accommodate touch

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panels, keyboard and mouse, as well as a variety of supported devices.

Each receiver has a built-in two-port gigabit switch for the daisy-chaining of additional receivers or other IP-enabled devices. In applications such as digital signage, where content is often replicated on multiple displays throughout the installation, the ability to cascade the receivers removes the requirement for each cable to be run directly to the main network switch.

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