



GT-ACT-WP1

GT-ACT-WP1 high-performance, 4K, multi-format, wall-plate switcher and transmitter over extended-reach HD BaseT. Offering intelligent Maestro automation, with priority and last-connected switching options, it automatically switches and operates the room according to the selected switching scheme based on active video signal detection.

Features:

Simple and Powerful Maestro Room Automation - Intuitive user interface enables you to fully automate your meeting room elements. Configure lights, shades, devices and more to be activated by an extensive range of triggers, including input/output connectivity, routing, and button pressing. By minimizing user intervention, Maestro room automation saves meeting prep time and minimizes human error before presentations.

High Performance Switcher Transmitter - Professional HDBaseT/HDMI Switcher transmitter for providing extended-reach signals over twisted pair copper infrastructures. This switcher transmitter is a standard transmitter that can be connected to any market-available HDBaseT-compliant extension product.

Auto Switcher - Automatically plays the switched user device source signal on the connected display according to user-configured preferences, such as priority or last-connected input. When the user manually switches, by pressing a button, the auto switching is overridden.

Simple Switching Operation - Local buttons or remotely connected contact-closure buttons for flexible user input selection and switching control.

Multi-channel Audio Switching - Up to 64 channels of digital stereo uncompressed signals for supporting studio-grade surround sound.

Audio Embedding - An auto-detected analog stereo audio input, per user selection, is converted into a digital signal and embedded in the output HDMI signal, replacing the source HDMI audio input signal. This enables, for example, a presenter to temporarily override the playing source audio with speech description.

Audio De-embedding - The digital audio signal passing-through to the output, is de-embedded, converted to an analog signal and sent to the stereo analog audio output. This enables playing the audio on locally connected speakers, in parallel to playing it on the speakers connected to the AV acceptor device (such as TVs with speakers).

Ethernet Extension - Ethernet interface data flows in both directions, allowing extension of up to 100Mbps Ethernet connectivity for LAN communication and device control.

Bidirectional RS-232 Extension - Serial interface data flows in both directions, allowing data transmission and device control.

Reliable PoE (Power over Ethernet) Powering - Auto-senses the extension line PoE status, it accepts power from a remote PoE provider such as a PoE matrix, with optional mains powering from connected power adapter.

Technical Specification:

Specification	Description
Inputs	1 HDMI: On HDMI connectors 1 VGA: On a 15-pin HD (F) connector 1 Unbalanced Stereo Audio 1V RMS (nominal): On a 3.5mm jack
Outputs	1 HDBaseT: On an RJ-45 connector 1 Unbalanced Stereo Audio 1V RMS (nominal): On a 3.5mm jack
Ports	1 RS-232: On a 3-pin terminal block for serial link extension 1 RS-232: On a 3-pin terminal block for device serial control 1 100BaseT Ethernet: On an RJ-45 connector 4 Contact-Closure Switches: On a 5-pin terminal block for remote device operation
Video	Max. Data Rate: 10.2Gbps (3.4Gbps per graphic channel) Max. Resolution: 4K@60Hz (4:4:4) 24bpp resolution HDMI Support: Deep color, lip sync, HDMI uncompressed audio channels, DTS HD, 2K, 4K, and 3D as specified in HDMI 2.0 Compliance: HDCP 1.4

Extension Line	Up to 100m (330ft): At 4K@60Hz (4:4:4) Up to 130m (430ft): At full HD (1080p @60Hz 36bpp) Up to 180m (590ft): At HDBaseT ultra mode and full HD (1080p @60Hz 24bpp) Compliance: HDBaseT 1.0
Audio	Max. Level: 3.1 Vpp THD: 0.013% SNR: -70dB
Extended Ethernet	Line rate bandwidth: Up to 100Mbps
Extended RS-232	Baud rate: 300 to 115200
Power	Source: 12V DC 2A, PoE Consumption: 850mA
Enclosure	Cooling: Convection Type: Aluminum Size: 2 Gang

