

Atlona AT-PROHD1616M-SR 16x16:2 HDMI MATRIX SWITCH WITH CAT5/6 AND LOCAL HDMI OUTPUTS WITH 3D SUPPORT

ATLONA 16x16:2 HDMI MATRIX SWITCH WITH CAT5/6 AND LOCAL HDMI OUTPUTS.

MODEL: AT-PROHD1616M-SR

The Atlona AT-PROHD1616M-SR is a True 16x16:2 HDMI matrix switch. The PROHD1616M unit features sixteen HDMI 1.3 inputs, and sixteen independently switchable HDMI + Twister Pair outputs to feed sixteen separate displays simultaneously. Each output features 1 x HDMI and 2 x Twisted Pair connections where both are active at the same time. Twisted Pair outputs are used to connect to the 16 x included receiver modules.

The AT-PROHD1616M-SR has the ability of equalization, amplification and re-clocking the signal over HDMI to ensure accurate signal transmission through long cables without quality loss. The transmission distance of Twister Pair (CAT5/6) outputs can reach up to 165ft @ 1080P with infrared control signal. Distance can be extended for additional 165ft with an optional Atlona repeater unit AT-PROHD-RP. It is recommended to use CAT6 (568B terminated) wire to get the longer distance.

The Atlona 16x16:2 Matrix can be controlled through : Front Panel Touch Screen, IR Back Channel, RS232, RS485, TCP/IP (LAN) or/and supplied remote control.

Note: The AT-PROHD1616M-SR comes with 16 x Receiver modules, there is no need to purchase additional hardware

Features:

- Supporting the latest (HDMI1.3) 36 bit deep color standard, it can be connected even to the latest BluRay players, set top boxes, AV receivers or Apple TV.
- HDCP 1.1 and DVI1.0 compliant
- **Supports high resolution up to 1920x1200 or 1080p** over local HDMI or included Twister Pair receiver modules
- The 16 outputs are capable of displaying the same or different sources simultaneously. Each output includes one HDMI A type connector and a set of dual RJ45 connectors as the second mirrored HDMI output. The two outputs work simultaneously.
- Supports all latest HDMI audio formats including Dolby TrueHD and DTS-HD
- EDID management function stores 100 most common EDID recordings with ability of programming new EDID recording by the user
- Reclocking for both inputs and outputs allows long HDMI Cables cables to be used on both inputs and outputs
- Supports 6 x control options: Panel buttons, Local IR, IR call back from remote locations, RS232, RS485 and TCP/IP (LAN).
- IR commands and RS232 commands are provided
- Use any remote to control the switch, switch is capable of recording any IR commands and user can choose what they mean.
- **Silicon Image Chip-Sets allow 99.99% compatibility with all the AV gear (we only use the best). Silicon Image was a creator of the HDMI standard.**
- Rack Mountable (comes with rack ears)
- Control4, RTI, Crestron, AMX compatible
- Easy installation

Technical Specifications:

- Video Bandwidth: 6.75Gbps
- Max Resolution : 1080p/1920 x 1200
- HDTV Formats Supported: 1080P/1080i/720P/576P/480P/576i/480i
- PC Formats Supported: VGA, SVGA, XGA, SXGA, UXGA, WXGA,WSXGA, WUXGA
- Audio Format Supported: DTS-HD, Dolby trueHD, 7.1ch and others
- Max. HDMI Cable Input Distance: 50ft
- Max. HDMI Cable output Distance: 50ft
- Max. Twister Pair output Distance 165ft @1080p (optional repeaters are available to add additional 165ft Model is AT-PROHD-RP)
- Twister Pair Type: CAT5/6/7 (568B termination)
- Power Consumption: Main Unit: 60watts (Max); Receiver Unit 100mwatts (Max)
- Dimensions (Inch): Main Unit:17.32W×13.78H×15.35D Receiver:1.8W×0.8H×3.3D
- Rack Height: 6U
- Net Weight: Main Unit: 44.1 LB; Receiver Unit: 0.6LB

Package Includes:

Main Unit:

- 1 x AT-PROHD1616M-SR
- 16 x IR emitter cables (marked IR TX),
- 1 x IR receiver cables (marked IR RX)
- 1 x USB to RS232 cable
- 1 x 12VDC Universal Power Supply. (UL Listed)
- 1 x Rack Mounting ears.
- 1 x IR Remote.

Receiver Modules:

- **16 x Receiver Units AT-PROHD1616M-R**
- 16 x IR receiver cables (marked IR RX),
- 16 x 5VDC power supply (power supply for receiver modules will not be required under normal conditions)
- 16 x Rack Mounting ears.
- 1 x Operating Instructions.
- 1 x CD with RS232 commands and control software.