ANI-MODZ

Modular Matrix Switcher

The ANI-MODZ Modular Matrix is designed to allow the switching and distribution of up to (32) source devices to up to (32) connected displays, either directly via HDMI, DVI or via CAT5e/6/7 outputs to compatible receivers, providing control options (dependent on module configuration). Providing unparalleled levels of flexibility, with an advanced modular design these models can be setup in a wide variety of combinations allowing users the ability to tailor the Matrix to their requirements by simply adding or removing the input or output modules as required. The Modular Matrix is supplied with dual removable internal PSU's which allow for easy inspection and maintenance with zero down time. Also included is a DVI output for local monitoring of the output allowing installers to easily monitor, test, and configure the Inputs and Outputs on installation. In addition, this matrix also features IP control allowing users to access and control the matrix remotely and also allow additional options for integration of third-party control systems.
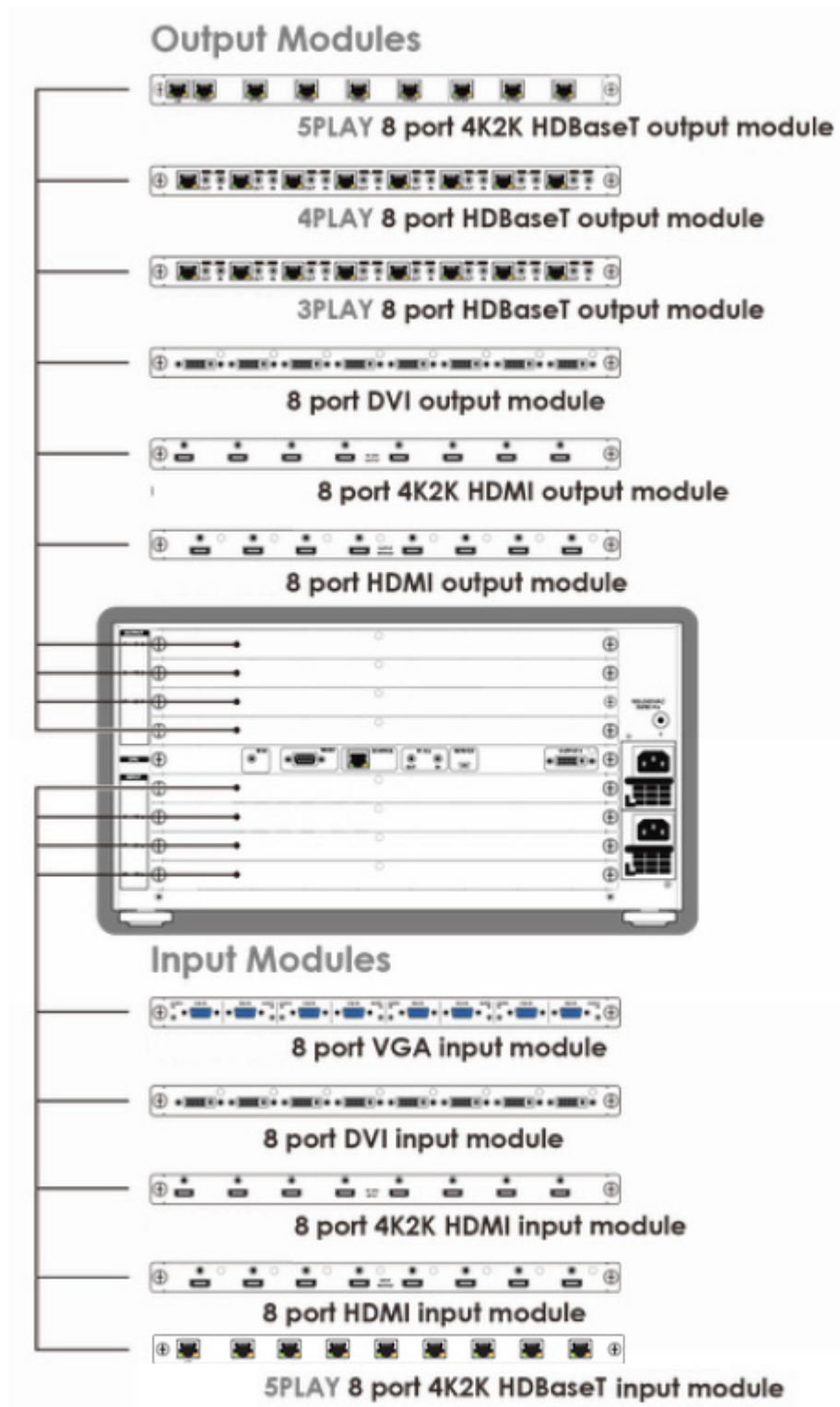
FEATURES

- HDMI, HDCP 1.1 and DVI 1.0 compliant
- Interchangeable input and output modules
- Input and output module types can be mixed and added in multiples of (8) from 8x8 (1 Input module, 1 Output module) up to 32x32 (4 Input modules, 4 Output modules) with HDMI, DVI, CAT5e/6/7 and VGA (Input only) connection types
- Supports a wide range of PC and HDTV resolutions from VGA to WUXGA and 480i to 1080p and 4K2K@24/25/30
- Supports pass-through of LPCM 7.1CH, Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio
- Supports control of the matrix via RS-232, Telnet and Web GUI controls
- Supports (10) available preset settings
- Supports (3) EDID modes: Standard, Dynamic and Manual (see Section 6.1 for details)
- Dual removal power supply units
- Supports HDMI cable input and output lengths of up to ~50ft/15M each way (1080p@8-bit resolution), 32ft/10M (1080p@12-bit resolution) or 16ft/5M (4K2K@30 resolution)
- Supports CAT5e/6/7 cable input and output lengths of up to 328ft/100M (1080p@8-bit/12-bit resolution) or ~230ft/70M (4K2K@30 resolution) dependent on board capabilities
- HDBaseT 5Play™ convergence supports UHD Video, HD Audio, PoC, Ethernet and IR/RS-232 Control
- HDBaseT 4Play™ convergence supports HD Video, HD Audio, PoC and IR/RS-232 Control
- HDBaseT 3Play™ convergence supports HD Video, HD Audio and IR/ RS-232 Control

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Output Modules

5PLAY 8 port 4K2K HDBaseT output module

4PLAY 8 port HDBaseT output module

3PLAY 8 port HDBaseT output module

8 port DVI output module

8 port 4K2K HDMI output module

8 port HDMI output module

Input Modules

8 port VGA input module

8 port DVI input module

8 port 4K2K HDMI input module

8 port HDMI input module

5PLAY 8 port 4K2K HDBaseT input module

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Up to 32 HDMI Outputs - TV, Displays or Projectors

Smartphone/ Tablet device (for WebGUI control)

Wireless Router

Local Monitor

Power Supply

Backup Power Supply (for uninterrupted operation)

Note: In this example, 4 HDMI input modules and 4 HDMI output modules are used to create a 32x32 HDMI Matrix. Any combination of modules may be used to create the required matrix configuration e.g. 2xVGA and 2xDVI input modules to 4xHDBaseT outputs

RS-232 Equipped PC

IR Extender (for IR control of the matrix only)

60°

3m   7m   3m

Up to 32 HDMI Inputs - Blu-ray/DVD Players, Satellite Receivers, Set-top Boxes, Media Players, PCs/Macs or Games Consoles

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