



10G SDVoE Quad HDMI input module for NETGEAR M4300 series modular network switch

This module is used with NetGear 96 10G Ethernet switch to realize video matrix switching. Each card supports 4-channel HDMI input, 4-channel IR output and 1-channel IR input. Supported video resolution is up to 4K2K @50/60hz YCbCr 4:4:4. The product supports 3D, HDR format video, CEC control. It provides distribution mode and switching mode.

Featured Highlights

- HDCP 2.2 compliant
- Supports 18Gbps video bandwidth
- Video resolution is up to 4K2K @50/60hz YCbCr 4:4:4
- Supports 4-channel HDMI input, 4-channel IR output, and 1-channel IR input
- Supports 3D, HDR format video, CEC control.
- Supports HDMI audio formats: LPCM, Dolby Digital/Plus/EX, Dolby True HD, DTS,
- DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD
- Compact design for easy and flexible installation

SPECIFICATIONS

HDCP Compliance	HDCP 2.2
Video Bandwidth	594MHz / 18Gbps
Video Resolution	4K2K 50/60Hz 4:4:4 4K2K 50/60Hz 4:2:2 4K2K 50/60Hz 4:2:0 4K2K 30Hz 4:4:4 1080p, 1080i, 720p, 720i, 480p, 480i All HDMI 3D TV formats All PC resolutions including 1920 x 1200
Color Space	RGB, YCbCr4:4:4, YCbCr4:2:2, YCbCr 4:2:0
Color Depth	8-bit (4K 60Hz 4:4:4), 10-bit (4K 60Hz 4:4:4), 12-bit (4K 30Hz 4:4:4/4K 60Hz 4:2:0)
HDMI Audio For-mats	LPCM, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD
ESD Protection	Human body model—±8kV (Air-gap discharge) & ±4kV (Contact discharge)

MECHANICAL

Housing	Galvanization Enclosure
Silkscreen Color	Silver
Dimensions	210mm (W) × 67mm (D) × 37mm (H)
Weight	405g
Power Supply	Input: AC100 - 240V 50/60Hz, Output: DC 12V/1A (US/EU standards, CE/FCC/UL certified)
Power Consumption	25W
Operation Temperature	0°C ~ 45°C / 32°F ~ 113°F
Storage Temperature	-20°C ~ 60°C / -4°F ~ 140°F
Relative Humidity	20 - 90% RH (Non-Condensation)

CONNECTIONS

Input Ports	4×HDMI Type A (19-pin female) 1×IR IN [3.5mm Stereo Mini-jack]
Output Ports	4×IR OUT [3.5mm Stereo Mini-jack]

Classic Application Example

