

CATx Output Card for FLEX Modular Matrix

12-Port CATx Output Card with HDR, PoC & 4K60 for FLEX Series Modular Matrix Switchers

MPN: FLEX-CAT12OUT



Extend AV signals over standard CAT5e/6/6A cabling to displays up to 70m away from a single FLEX-CAT12OUT card slot. The FLEX-CAT12OUT is a hot-swappable CATx output card that transmits 12 independent HDMI video streams over cost-effective CAT cabling, eliminating the expense and inflexibility of long HDMI runs. Each of the 12 outputs supports 4K 3840×2160 @60Hz 4:4:4 with full HDR pass-through and Power-Over-Cable (PoC) to power remote receivers without separate power supplies.

Designed for hospitality, corporate campuses, education facilities, broadcast studios, security operations, and commercial AV environments where signal distribution across buildings or large venues requires flexible, reliable cabling infrastructure. The card handles the full range of video formats including deep color (8/10/12-bit) and wide chroma sampling (RGB, YCbCr 4:4:4/4:2:2/4:2:0). Install multiple output cards across the FLEX-MF8X10, FLEX-MF16X20, FLEX-MF24X36, and FLEX-MF24X60 chassis platforms to scale display capacity while reducing the total cost of ownership for long-distance AV distribution.

 4K60 4:4:4 Full Resolution	 70m Range Long Distance	 PoC Power-Over-Cable	 12 Outputs Per Card	 HDR High Dynamic Range	 Modular Hot-Swappable Design
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KEY FEATURES

- 12× CATx (RJ45) outputs per card with HDMI signal transmission over CAT5e/6/6A cabling
- Long-distance signal extension — up to 70m typical transmission distance with category cabling
- Supports 4K 3840×2160 @60Hz 4:4:4 (8-bit) — full Ultra HD resolution on every output
- HDR pass-through preserves high dynamic range metadata from source to remote receiver
- Power-Over-Cable (PoC) — supplies 5V power to remote receivers eliminating separate PSUs
- Deep color support at 8, 10, and 12 bits per color with RGB and YCbCr 4:4:4/4:2:2/4:2:0 chroma sampling
- Cost-effective cabling — standard CAT5e/6/6A cables cost a fraction of equivalent HDMI runs
- Modular hot-swappable design — slides into any FLEX chassis without tools or system downtime
- Scalable: install multiple output cards per chassis to expand display capacity on demand
- Compatible with FLEX-MF8X10, FLEX-MF16X20, FLEX-MF24X36, and FLEX-MF24X60 matrix chassis

SPECIFICATIONS

Connector Type	12× RJ45 (Category 5e/6/6A compatible)
Transmission Distance	70m typical (CAT5e/6), up to 100m (CAT6A with optimal conditions)
Video Resolution	Up to 3840×2160 @60Hz 4:4:4 (8-bit)
HDR Support	Supported
Chroma Sampling	RGB, YCbCr 4:4:4, YCbCr 4:2:2, YCbCr 4:2:0
Color Bit Depth	8, 10, 12 bits per color
Power-Over-Cable (PoC)	5V power delivery to remote receivers
Output Connectors	12× RJ45 (Ethernet-style connectors)
Hot-Swappable	Yes
Compatible Chassis	FLEX-MF8X10, FLEX-MF16X20, FLEX-MF24X36, FLEX-MF24X60

PACKAGE CONTENTS

1× FLEX-CAT12OUT CATx Output Card

