

4x4 HDBaseT Matrix Switcher with 4K60 & CAT Extension (150m)

18Gbps HDMI Matrix with Long-Range 150m CAT Outputs, PoC Receivers & Web GUI

MPN: MMX-4X4CAT-150M • MSRP: \$2,399.96



1 PRODUCT OVERVIEW

DESIGNED FOR

AV integrators and institutional AV designers specifying long-range 4K distribution with integrated audio for houses of worship, universities, conference centers, and hospitality venues — where audio de-embedding and extended reach are both required.

THE CHALLENGE

Mid-size venues need to distribute 4K video across entire floors or wings (300–500ft) and simultaneously feed audio systems. Separate matrix, extenders, audio extractors, and remote power supplies add complexity and cost.

THE KANEXPRO ADVANTAGE

The MMX-4X4CAT-150M reaches 492ft on a single CAT cable, powers receivers via 24V PoC, and includes coaxial + balanced analog audio outputs on every port — all in a compact 1U chassis. Replaces a matrix, audio extractors, and remote power supplies with a single unit at a 4-zone scale.

2 PRODUCT POSITIONING

For integrators specifying mid-size long-range AV distribution, the KanexPro MMX-4X4CAT-150M delivers 4x4 4K60 switching, 492ft HDBaseT reach, and built-in coaxial + balanced audio de-embedding — in a single 1U chassis at a 4-zone price point.

3 APPLICATIONS



Houses of Worship

Sanctuary, overflow rooms, and lobby with audio to mixing console.



University Buildings

150m reach covers cross-floor distribution from a single IDF closet.



Conference Centers

Sources to meeting rooms up to 492ft away with audio de-embedding.



Control Rooms

RS-232/TCP/IP integration with Crestron and AMX control systems.



Multi-Zone Audio/Video

4 independent A/V zones — video and audio without separate extractors.



Broadcast/Production

4 feeds to monitoring stations with balanced audio to console.

4 WHO THIS IS FOR

AV Integrators

Houses of Worship

University AV

Hospitality AV

Ideal User

AV integrator or institutional AV manager specifying long-range distribution with audio for mid-size venue or institutional environments.

Project Types

Houses of worship, university/higher education, mid-size conference centers, hospitality (hotel ballrooms, event spaces), broadcast production facilities.

Typical Buyer

AV systems integrator (specifier/designer), institutional AV director, or facilities manager.

5 KANEXPRO PRODUCT COMPARISON

The 150M models add longer reach and audio de-embedding vs the 70M models. Choose 4×4 or 8×8 based on the number of sources and zones.

MODEL	BEST FOR	KEY CAPABILITY	HOW IT DIFFERS
MMX-4X4CAT-70M	4-source, 230ft reach, no audio de-embed	4×4 matrix, 70m CAT, 12V PoC	Lower cost, shorter reach, no audio outputs
MMX-4X4CAT-150M ✓	4-source, 492ft reach + audio de-embed	4×4 matrix, 150m HDBaseT, coax + balanced audio	This model — long reach, audio, compact 1U
MMX-8X8CAT-150M	8-source, 492ft reach + audio de-embed	8×8 matrix, 150m HDBaseT, coax + balanced audio	Double the I/O, same range and audio, 2U
MMX-8X8CAT-70M	8-source, 230ft reach, no audio de-embed	8×8 matrix, 70m CAT, 12V PoC	More sources, shorter reach, no audio outputs

✓ Choose MMX-4X4CAT-150M for 4-source installations requiring 492ft reach with coaxial and balanced analog audio de-embedding.

6 FREQUENTLY ASKED QUESTIONS

Q: What is the 4K60 maximum distance?

A: 4K60 4:4:4 is supported to 394ft / 120m. For 1080p the maximum is 492ft / 150m via CAT5e/6/7.

Q: What audio formats are supported on the de-embedded outputs?

A: Coaxial: PCM 2.0, Dolby Digital/Plus, DTS 5.1. Balanced analog: PCM 2.0CH stereo (Vmax 2Vrms, SNR >90dB).

Q: Do receivers need external power?

A: No. 24V PoC is provided on all 4 HDBaseT ports. Receivers are powered through the CAT cable.

Q: Is this Crestron/AMX compatible?

A: Yes. RS-232 D-Sub 9 and TCP/IP ports support third-party control system integration.

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