Flex Matrix Pro 128×128 4K60 Crosspoint Modular Matrix Switcher

The Largest KanexPro Matrix — 128 Crosspoints, 5 Formats, Dante/AES67, Redundant Everything

MPN: FLEX-PRO128X128

Stadiums. Broadcast centers. Convention halls. Government command posts. When the I/O count exceeds what any single competitor chassis can deliver, the FLEX-PRO128X128 handles it in one frame. Thirty-two input and thirty-two output card slots provide 128 fully routable crosspoints across HDMI, DisplayPort, HDBaseT, fiber optic, and 12G-SDI — all at 4K60 4:4:4, 18Gbps, with seamless switching.

Dante/AES67 is native. Power is redundant. Every card is hot-swappable. Every CAT endpoint is PoC-powered. TAA compliant for federal procurement.

128×128	**5 Formats**	**Dante**	**Redundant**	**TAA**
Maximum Capacity	Any Signal Any Port	AES67 Native	Dual PSU Hot-Swap	Federal Procurement

KEY FEATURES

- 128×128 crosspoint — the largest single-chassis modular matrix in the KanexPro line
- 32 input + 32 output card slots × 4 ports — HDMI, DP, CAT, Fiber, 12G-SDI in any combination
- 4K/UHD 60Hz 4:4:4 on every crosspoint • 18Gbps • HDCP 2.2 • HDR • seamless switching
- Dante/AES67 built into MCU — replaces standalone audio matrices and converters
- 12G-SDI (11.88Gbps) for native broadcast camera integration • SMPTE/ITU compliant
- Fiber optic cards: multimode 984ft, singlemode 6,562ft (2km) for campus-scale distribution
- Dual redundant hot-swappable PSUs • PoC for all CAT endpoints • bi-directional RS-232/LAN
- TAA compliant • 7" touch • video wall • quad view • Dante Controller • Web GUI

SPECIFICATIONS

Crosspoint	128×128 (32 input + 32 output slots × 4 ports)
I/O Formats	HDMI 2.0 • DisplayPort • CAT (HDBaseT 3.0) • Fiber • 12G-SDI
Resolution	4096×2160 @60Hz 4:4:4 • 18Gbps • HDCP 2.2 • HDR
Audio	Dante/AES67 • LPCM 8ch • Dolby TrueHD • DTS-HD MA
CAT Extension	330ft (100m) via CAT6A • PoC from chassis
Fiber Extension	MM 984ft (300m) • SM 6,562ft (2km)
SDI	12G/6G/3G/HD-SDI • up to 11.88Gbps
Switching	Seamless • video wall (4×3) • quad view • scaling
Control	7" touch • RS-232 • TCP/IP • Web GUI • Dante Controller
Power	Redundant hot-swappable PSUs • 100–240VAC

PACKAGE CONTENTS

Chassis only — I/O cards, endpoints, and MCU-Dante card sold separately