



KVM Extenders

Matrox KVM extenders deliver unparalleled performance and extend uncompressed single, dual, quad, or more video, audio, and USB signals over a single fiber-optic cable with zero latency and zero compression, enabling real-time, remote access to systems secured in climate-controlled machine rooms.

Matrox Avio – Extend uncompressed dual digital video, keyboard, mouse, USB, and analog stereo audio signals over a single duplex LC-LC fiber-optic cable

Product	Part Number	Video Input Connector	Video Output Connector ¹	Maximum Resolution	USB HID ports	USB 2.0 ports	PS/2 ²	Analog Stereo Audio	Maximum Distance ³
Avio F120 Transmitter	AV-F120TXF	1x DVI-I SL/DL 1x DVI-I SL	1x DVI-I SL/DL 1x DVI-I SL	2x 1920x1200 1x 2560x1600 1x 4096x2160	2	2	Yes	Yes	400 m (1312 ft) in Multimode 10 km (6.2 mi) in Single-mode
Avio F120 Receiver	AV-F120RXF	—	1x DVI-I SL/DL 1x DVI-I SL	2x 1920x1200 1x 2560x1600 1x 4096x2160	4	—	Yes	Yes	400 m (1312 ft) in Multimode 10 km (6.2 mi) in Single-mode
Avio F125 Transmitter	AV-F125TXF	1x DVI-I SL/DL 1x DVI-I SL	1x DVI-I SL/DL 1x DVI-I SL	2x 1920x1200 1x 2560x1600 1x 4096x2160	2	2	Yes	Yes	400 m (1312 ft) in Multimode 10 km (6.2 mi) in Single-mode
Avio F125 Receiver	AV-F125RXF	—	1x DVI-I SL/DL 1x DVI-I SL	2x 1920x1200 1x 2560x1600 1x 4096x2160	2	4	Yes	Yes	400 m (1312 ft) in Multimode 10 km (6.2 mi) in Single-mode

1- In Dual-link DVI mode, only a single display is supported. ² Keyboard and mouse support for industrial or legacy systems.
3- Matrox Avio F120 and F125 ship with multimode transceivers; Single-mode transceivers are sold separately (Part# AV-SFP10G-2SMF).

Matrox Extio – Leveraging PCIe bus extension technology, Extio drives multiple monitors from a distance in environments requiring less noise & heat and more workspace

Product ²	Part Number	Max. # of Displays	Graphics Memory	Connectors	Maximum Resolution			Maximum Distance	Interface card required
					DisplayPort	Digital	Analog		
Extio F2208	XTO2-F2208F	2	1GB	2 DisplayPort connectors, 5 USB 2.0 ports, dual-LC fiber-optic connector, audio connectors, power input	2x2560x1600	2x1920x1200 ³	2x1920x1200 ³	400 m (1312 ft) in Multimode 1 km (3280 ft) in Single-mode	PCIe x1 (Part # XTO2A-FESLPAF)
Extio F2408	XTO2-F2408F	4	1GB	4 DisplayPort connectors, 5 USB 2.0 ports, dual-LC fiber-optic connector, audio connectors, power input	4x2560x1600	4x1920x1200 ³	4x1920x1200 ³	400 m (1312 ft) in Multimode 1 km (3280 ft) in Single-mode	PCIe x1 (Part # XTO2A-FESLPAF)
Extio F2408E Expander	XTO2EX-F2408F	4	1GB	4 DisplayPort connectors, dual-LC fiber-optic connector, power input	4x2560x1600	4x1920x1200 ³	4x1920x1200 ³	5 m (must use cable provided)	—

1- Matrox Extio F2208 and F2408 ship with multimode fiber optic cable transceivers. Single-mode upgrade kit sold separately.
2- Fiber optic cables for products are required and sold separately.
3- Two DisplayPort to DVI connector adapters included with Extio F2208.
Four DisplayPort to DVI connector adapters included with Extio F2408. DisplayPort to Analog (VGA) adapters available from 3rd party vendors.



Matrox Avio F125 extends dual-digital video and USB 2.0 devices by up to 10 km (6.2 mi) over a single fiber-optic cable.



Matrox Extio F2208, F2408, and F2408E Expander units combine to drive up to 16 remote displays from a single PC.