

DKM FX Modular KVM Matrix Switches



ACX576 or ACX576S

FEATURES

- ◆ Scalable and flexible architecture
- ◆ Instant switching
- ◆ Supports dynamic port assignment
- ◆ Mix and match (1 Gbps fiber ports can be switched to 1 Gbps CATx ports and vice versa)
- ◆ Matrix Grid option allows multi-matrix connections through grid lines
- ◆ Java based software tool for configuration, operation and maintenance
- ◆ Multi-signal support: KVM, USB 2.0/3.0, SDI (SD/HD/3G)
- ◆ Remote extenders can be updated through the matrix
- ◆ API service for connection with media controls
- ◆ Multi-screen control
- ◆ SNMP and Syslog monitoring
- ◆ Redundant power supply

OVERVIEW

The DKM Modular KVM Matrix Switches provide a high-performance, modular enterprise routing system for complete in-band signal distribution of high-definition video, audio, and data over CATx, multimode or single-mode fiberoptic cable, supporting up to 576 I/O ports in a single frame.

Each port can be user configured as an input or an output scalable from one CPU to multiple workstations or with multiple CPUs managed by a single workstation console.

The Chassis supports fully redundant power and hot swappable modules for full service and field upgrades with interrupting signal flow.

DKM FX Modular KVM Matrix Switches Data Sheet

SPECIFICATIONS

TABLE 1. SPECIFICATIONS

SPECIFICATION	48 PORTS (3U)	80 PORTS (4U)	160 PORTS (9U)	288 PORTS (13U)	576 PORTS (25U)
Input Interface Output Interface	CATx or Fiber (any combination)				
Distance per connection (max.)	CATx: 460 ft. (140 m) Multimode fiber: xx mi. (1 km) Single-mode fiber (9-μ): 6.21 mi. (10 km); Up to 160 km with special SFPs Coaxial: 328 ft. (100 m) (RG59 B/U)				
Optional interfaces	DVI-D, DVI-I (VGA), HDMI, DisplayPort 1.1 (30 Hz) and 1.2 (60 Hz), USB-HID, USB 2.0, USB 3.0, SDI, analog audio, digital audio and RS-232/RS-422 options, PS/2 (interfaces depend on the CPU/CON unit used)				
Control	OSD (On Screen Display) on each console, Software Tool, API				
Power Supply	5 A, 100-240 VAC, 50/60 Hz	5 A, 100-240 VAC, 50/60 Hz	9 A, 100-240 VAC, 50/60 Hz	12 A, 100-240 VAC, 50/60 Hz	20 A, 100-240 VAC, 50/60 Hz
Dimensions	5.25"H x 19"W x 9.1"D (13.3 x 48.3 x 23 cm)	7"H x 19"W x 9.1"D (17.8 x 48.3 x 23 cm)	15.75"H x 19"W x 13"D (40.0 x 48.3 x 33 cm)	22.75"H x 19"W x 13"D (57.8 x 48.3 x 33 cm)	43.75"H x 17.7"W x 17.1"D (110.8 x 45 x 43.5 cm)

NOTE: The ACX288 / 576 can support USB 3.0, but the TX/RX units MUST be on the same I/O card, all other switches can use different I/O cards for the TX/RX.

ORDERING INFORMATION

Item	Code
DKM FX Modular KVM Matrix Switches	
48 ports (base unit with control board and one power supply unit), 3 RU, free configuration	ACX048
80 ports (base unit with control board and one power supply unit), 4 RU, free configuration	ACX080
160 ports (base unit with control board and two power supply units), 9 RU, free configuration	ACX160
288 ports (base unit with control board and two power supply units), 13 RU, free configuration	ACX288
DKM FX 576 Flex Modular KVM Switch (base unit with 2x control board and two power supply units), 25 RU, free configuration	ACX576
DKM FX 288 x 288 Modular KVM Matrix Switch (base unit 2 x 288 ports (288 inputs / 288 outputs) with 2x control board and two power supply units), 25 RU, free configuration	ACX576S
I/O Boards	
CATx I/O Board (8 ports)	ACX108-C
Fiber I/O Board incl. 8 x 459-1S (8 ports)	ACX108-SM
Fiber High Speed I/O Board incl. 8 x 459-1V (8 ports)	ACX108-HS
Universal I/O Board for USB 3.0 and SDI empty, free configuration (8 ports)	ACX108-6G
Matrix Grid, 8 to 1 port I/O board, fiber (up to 1.4 km, 10 km upon request), 10G, incl 1 ACXSFPGRID	ACX108-GRID

NOTE: The base unit includes a CPU board, fan trays, an exchangeable filter pad and, depending on the model, one or two power supply units. Choose I/O boards and other accessories according to your requirements.

I/O CARD OPTION PHOTOS



ACXI08-C



ACXI08-SM



ACXI08-6G



ACXI08-GRID

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ABOUT BLACK BOX

Black Box is a world leading technology solutions provider specializing in complete high-performance KVM, professional A/V signal distribution and extension and switching solutions for mission-critical applications. Black Box is dedicated to delivering superior project engineering, technical support, and 24/7 customer service you can rely on for your most critical operations. Every day, our customers trust us to design, integrate, and maintain reliable control room solutions for broadcasting, post-production, stadiums & arenas, medical, air traffic control, oil & gas, government & military, and utility industries. Leave the tech to us and our comprehensive technology solutions will deliver secure connections, fast-response times, real-time collaboration and more.