

## 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	<b>ACX048</b>
80 ports (base unit with control board and one power supply unit), 4 RU	<b>ACX080</b>
160 ports (base unit with control board and two power supply units), 9 RU	<b>ACX160</b>
288 ports (base unit with control board and two power supply units), 13 RU	<b>ACX288</b>
DKM FX 576 Flex Modular KVM Switch (base unit with 2x control board and two power supply units), 25 RU	<b>ACX576</b>
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	<b>ACX576S</b>
I/O Boards	
CATx I/O Board (8 ports)	<b>ACX108-C</b>
Fiber I/O Board incl. 8 x ACXSFPS (8 ports)	<b>ACX108-SM</b>
Fiber High Speed I/O Board incl. 8 x ACXSFPHS (8 ports)	<b>ACX108-HS</b>
Universal I/O Board for USB 3.0 and SDI empty (8 ports)	<b>ACX108-6G</b>
Matrix Grid, 8 to 1 port I/O board, fiber (up to 1.4 km, 10 km upon request), 10G, incl 1 ACXSFGRID	<b>ACX108-GRID</b>

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.