



Modular Matrix Switcher FDX-S16U

The FDX-S16U is an HDCP 2.2-compliant modular digital matrix switcher that supports resolutions up to 4K@60. It provides up to 16 inputs and 16 outputs. Video and embedded audio can be switched simultaneously.

With audio boards, input digital audio signals can be converted into output analog audio or Dante network audio signals. Input analog audio signals and Dante network audio signals can be converted into digital audio signals and embedded to desired output video channels.

The FDX-S16U features RS-232C/LAN ports for remote control, redundant power supply, and system check that outputs an alarm in case an abnormality is detected in power supply voltage, fans, internal temperature, or board. The WEB browser communication supports TLS.

The redundant power supply ensures constant availability and minimizes the chance of a failure even for mission-critical environments.

■ Specification

Item	Description
Input board	4 slots (Up to 16 inputs)
Output board	4 slots (Up to 16 outputs)
Audio board	1 slot (Up to 32 stereo channels)
Transmission signal	Video: Up to 4K@60 (4:4:4)
	Audio: Multi-channel LPCM up to 8 channels
	Control: Up to 38.4 kbps of RS-232C, Up to 100Base-TX of LAN
Instant Alert output	1 port/captive screw (2-pin) Non-voltage contact input up to DC 24 V 300 mA Monitoring power supply voltage, fans, internal temperature, board, and audio board status
Control	RS-232C: 1 port/captive screw (3-pin), full duplex, up to 38.4 kbps
	LAN: 1 port/RJ-45 10Base-T/100Base-TX (Auto Negotiation), Auto MDI/MDI-X
Functions	I/O board, audio board, CPU board, fan unit, and power unit can be replaced without removing from rack, Preset memory (32 settings), Last memory, Button security lockout, System check, WEB browser control, Status notification, HDBaseT status display
General	Power: 100 - 240 VAC ±10%, 50 Hz/60 Hz ±3 Hz
	Power consumption: About 30 Watts
	Dimensions: 16.9 (W) × 5.2 (H) × 15.7 (D)" (430 (W) × 132 (H) × 400 (D) mm) (3U high) (Excluding connectors and the like)
	Weight: 26.9 lbs. (12.2 kg) (With redundant power supply: 28.9 lbs. (13.1 kg))
	Temperature: Operating: 32°F to 104°F (0°C to +40°C) Storage: -4°F to +176°F (-20°C to +80°C)
Humidity: Operating/Storage: 20% to 90% (Non Condensing)	

■ I/O boards

Item	Parts Number	Description
Input board	FDX-SIV4UH	4 inputs 4K@60 HDCP 2.2 HDMI/DVI
	FDX-SIV4UT	4 inputs 4K@60 HDCP 2.2 HDBaseT
	FDX-SIV4US	4 inputs 12G-SDI/6G-SDI/3G-SDI/HD-SDI
	FDX-SIV4UC	4 inputs 4K@60 HDCP 2.2 SDVoE
	FDX-SIV4S	4 inputs 3G-SDI/HD-SDI/SD-SDI
Output board	FDX-SOV4UH	4 outputs 4K@60 HDCP 2.2 HDMI/DVI
	FDX-SOV4UT	4 outputs 4K@60 HDCP 2.2 HDBaseT
	FDX-SOV4US	4 outputs 12G-SDI/6G-SDI/3G-SDI/HD-SDI
	FDX-SOV4UC	4 outputs 4K@60 HDCP 2.2 SDVoE
	FDX-SOV4UHS	4 outputs 4K@60 HDCP 2.2 HDMI/DVI scan converter
	FDX-SOV2UHS	2 outputs 4K@60 HDCP 2.2 HDMI/DVI scan converter
	FDX-SOV1UHM	1 output 4K@60 HDCP 2.2 HDMI/DVI scan converter multiview
	FDX-SOV4HS	4 outputs 1080p HDCP 1.4 HDMI/DVI scan converter
	FDX-SOV4TS	4 outputs 1080p HDCP 1.4 HDBaseT scan converter

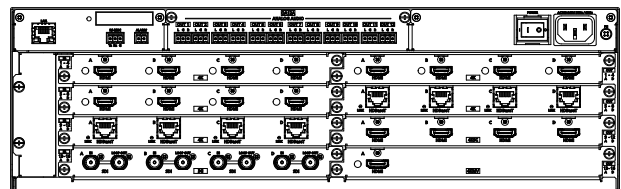
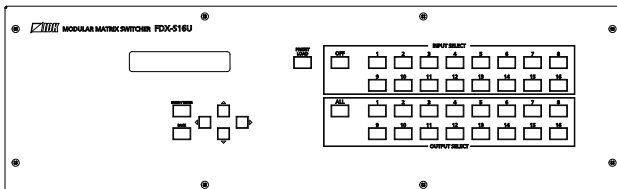
■ Audio board

Item	Parts Number	Description
Audio board	FDX-SAB4A	4 inputs Unbalanced 4 outputs Balanced/Unbalanced
	FDX-SOA12A	12 outputs Unbalanced
	FDX-SAB64D	1 input/output 64 Dante protocol channels (32 stereo channels)

■ Redundant power supply unit

Item	Parts Number	Description
Redundant power supply unit	FDX-SRP16	Redundant power unit with two independent power connectors

■ Front & Rear Panels



This drawing (rear) is an example.

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