Modular Matrix Switcher
FDX-S08U

The FDX-S08U is an HDCP 2.2-compliant modular digital matrix switcher that supports resolutions up to 4K@60. It provides up to 8 inputs and 8 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-S08U 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 redundant power supply ensures constant availability and minimizes the chance of a failure even for mission-critical environments.

■ Specification

Item		Description
Input board		2 slots (Up to 8 inputs)
Output board		2 slots (Up to 8 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 17 Watts
	Dimensions	16.9 (W) × 3.5 (H) × 15.7 (D)" (430 (W) × 88 (H) × 400 (D) mm) (2U high) (Excluding connectors and the like)
	Weight	20.5 lbs. (9.3 kg) (With redundant power supply: 21.4 lbs. (9.7 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

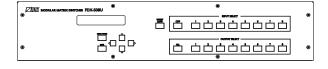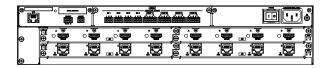| Item	Parts Number	Description	
Input board	FDX-SIV4UH	4 inputs	4K@60 HDCP 2.2 HDMI/DVI
	FDX-SIV4UT	4 inputs	4K@60 HDCP 2.2 HDBaseT
	FDX-SIV4US	4 inputs	12G-SDI/6G-SDI/3G-SDI/HD-SDI
	FDX-SIV4UC	4 inputs	4K@60 HDCP 2.2 SDVoE
	FDX-SIV4S	4 inputs	3G-SDI/HD-SDI/SD-SDI
Output board	FDX-SOV4UH	4 outputs	4K@60 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-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-SRP08	Redundant power unit with two independent power connectors

■ Front & Rear Panels

This drawing (rear) is an example.

IDK Corporation