



Modular Matrix Switcher FDX-S32U

The FDX-S32U is an HDCP 2.2-compliant modular digital matrix switcher that supports resolutions up to 4K@60. It provides up to 32 inputs and 32 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-S32U 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		8 slots (Up to 32 inputs)
Output board		8 slots (Up to 32 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 42 Watts
	Dimensions	16.9 (W) × 8.7 (H) × 15.7 (D)" (430 (W) × 221 (H) × 400 (D) mm) (5U high) (Excluding connectors and the like)
	Weight	32.8 lbs. (14.9 kg) (With redundant power supply: 35.9 lbs. (16.3 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

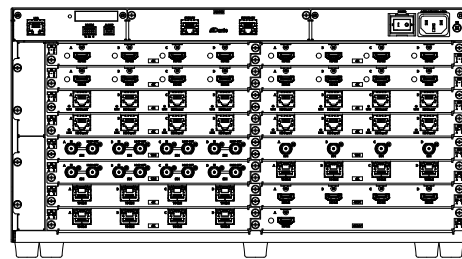
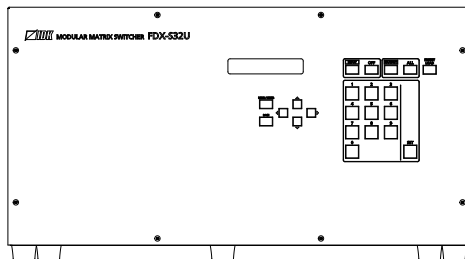
■ Audio board

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-SRP32	Redundant power unit with two independent power connectors

■ Front & Rear Panels



This drawing (rear) is an example.

●All specifications and drawings are subject to change without notice. ●Please do not use the supplied AC adapter and power supply cable for other products. ●Audinate®, the Audinate logo and Dante are trademarks of Audinate Pty Ltd. ●HDBaseT™ and the HDBaseT Alliance Logo are trademarks of the HDBaseT Alliance. ●The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing Administrator, Inc. in the United States and other countries. ●SDVoE™ and SDVoE logo are trademarks of SDVoE Alliance. ●All other company and product names mentioned in this document are either registered trademarks or trademarks of their respective owners. In this document, the "®" or "™" marks may not be specified. ●©2020 IDK Corporation, all rights reserved.