Infinova®
The Integrator's Manufacturer

V2924HS Series
Matrix Hot Switch for Dual CPU Operation

Features

- Provides switching capability between two external CPU units (V2923CN) for the V2040 matrix switcher
- Automatic or manual selection of active or standby CPU
- Continuous monitoring/updating of both CPUs
- Automatic switchover to standby CPU in the event of active CPU failure
- Audible alarm to indicate malfunction in either CPU; Front-panel switch to enable/disable alarm function
- 27 Diagnostic LEDs to indicate CPU, V2924HS, and RS-232 port operating status
- 3 Form-C relay outputs to control external alarm devices
- 19" EIA rack-mounting

Description

The V2924HS is an external hot-switch that monitors dual V2923CN CPU operation of Infinova's V2040N large-scale networking matrix switchers. The V2923CN controls all functions of the switcher, including video routing, PTZ operation, programming, and storage. While independent switchers generally use the V2040 matrix switcher with a single CPU, a second V2923CN may be added by using the V2924HS. In this dual redundant CPU system, the V2923CN units are constantly operating in tandem with one unit designated as the primary and the second as the backup. Both CPUs are updated with any configuration changes. In the event of a failure by the primary CPU, the "hot switch" will automatically transfer system operation to the fully updated backup.

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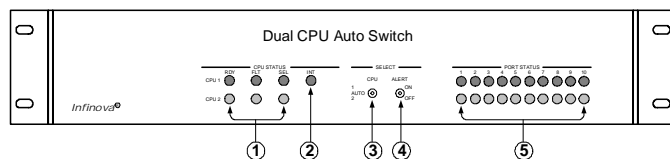India
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Ordering Information

V2924HS   Stand alone hot switch for dual CPU operation, for V2040 switcher (120 VAC)

V2924HSX   Stand alone hot switch for dual CPU operation, for V2040 switcher (230 VAC)
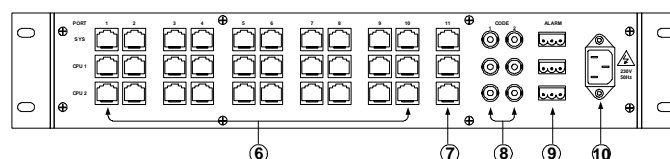
Panel Diagram

FRONT PANEL

REAR PANEL
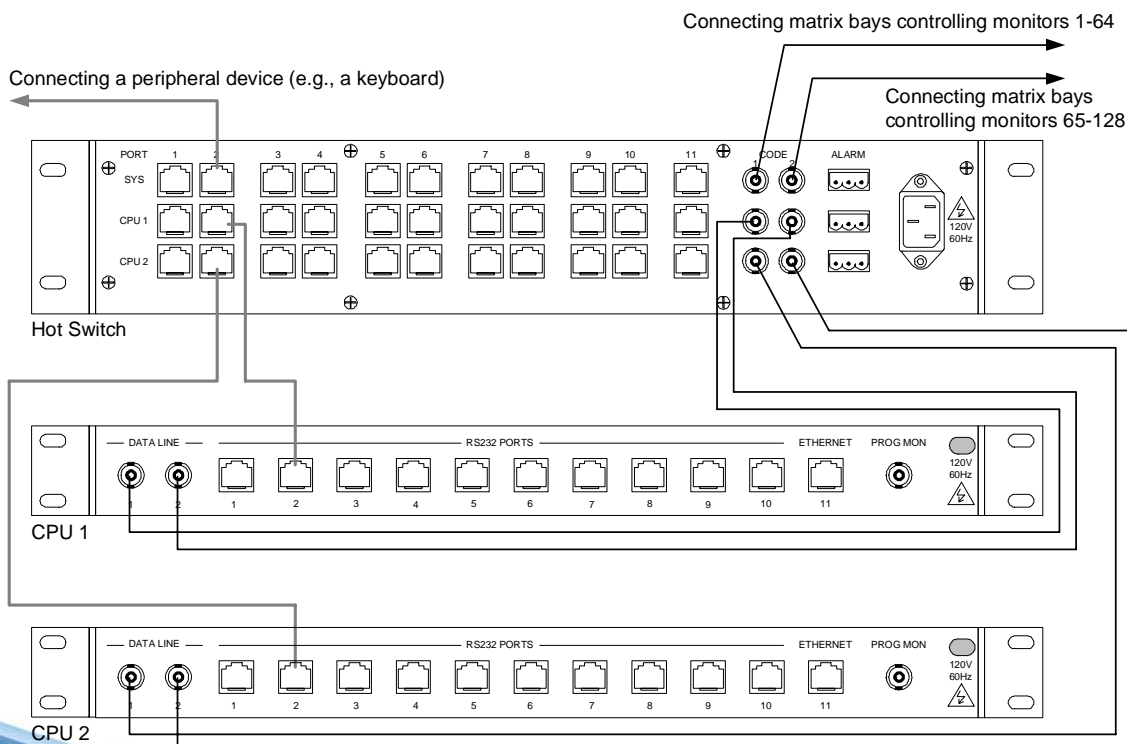
① 6 LEDs indicating the status of the two CPUs
② LED indicating the status of the hot switch
③ Switch to select the Active CPU
④ Switch to enable/disable audible alert
⑤ 20 LEDs indicating the status of the hot switch's RS-232 ports

⑥ 3 sets of 10 RS-232 ports
⑦ 3 Ethernet ports
⑧ 3 sets of 2 High-Speed Data Line ports
⑨ 3 Form-C relay connectors (alarm outputs)
⑩ Power socket

Typical Application Diagram

Connecting matrix bays controlling monitors 1-64

Connecting matrix bays controlling monitors 65-128

Connecting a peripheral device (e.g., a keyboard)

Hot Switch

CPU 1

CPU 2

Specifications

Keyboard Connection	Communication Protocol	RS-232/Ethernet option
	Number of R-S232 Ports	30
	Number of Ethernet Ports	3
	Connection Type	8-pin RJ-45 connectors
Ethernet Connection	Data Interface	TCP/IP IEEE 802.3 Compliant
	Connection Type	RJ-45
	Data Rate	10/100 Mbps
BNC Connection	HSDL	6 BNC connectors
Electrical	Input Voltage	120VAC/60Hz, 230VAC/50Hz
	Power Requirements	20 W
Mechanical	Dimensions (H×W×D)	3.5"×19.0"×12.4"(88 mm×483 mm×316 mm)
	Package Size (L×W×H)	6.5"×21.7"×19.0"(165mm×550mm×483mm)
	Unit Weight	6.6lb (3kg)
	Shipping Weight:	11.7lbs. (5.3kg)
	Color	Gray
	Mount	Rack mount
Environmental	Operating Temperature (indoor)	32°F ~ 140°F (0°C ~ 60°C)
	Humidity	0~90%RH (non-condensing)
Certifications	CE/EMC: EN 55022, EN 55024, EN 61000-3-2, EN: 61000-3-3 (Certificate No.: CTE09030003); CE/LVD: EN 60950-1:2006 (Certificate No.: CTS09030006); ISO 9001:2008	
Compliance	FCC Part 15 Class B, UL 60950	