

NuPrime SW-9X

8-Port Gigabit Ethernet Network Switch - Specification Sheet

Overview

The NuPrime SW-9X is a high-end 8-port gigabit Ethernet network switch designed for audio streaming systems. It combines a built-in low-noise power supply, AC input filtering, ground shielding, and a customized 25MHz TCXO clock to support stable network data transmission.

Common-mode active noise cancellation helps suppress EMI and RFI, while independent internal power rails support the clock, switching system, and supporting circuits. The SW-9X also includes an external 25MHz clock input, an internal/external clock selector, and a LAN port LED control switch.

Key Features

- 8 gold-plated 100/1000 Base-T Gigabit Ethernet ports
- Built-in low-noise power supply with AC power filter circuit
- Common-mode active noise cancellation for EMI/RFI suppression
- Customized 25MHz TCXO clock with 0.1ppm accuracy at 25 °C
- External 25MHz BNC word-clock input
- Internal/external clock selector switch
- Independent 12V, 3.3V, and 1.1V internal power rails
- LAN port LED indicator switch
- Aluminum chassis
- IEC AC input, 100-240V, 50/60Hz

Specifications

Product Type	High-End Gigabit Ethernet Network Switch
Ethernet Ports	8 x Gold-Plated 100/1000 Base-T Ports
Clock	NuPrime TCXO 25MHz Clock Module
Main Clock Accuracy	0.1 ppm at 25 °C
External Clock Input	BNC Interface, 25MHz External Word Clock
Clock Selector	Internal / External Clock Input Switch
LED Indicators	1 x Power LED; 8 x Port Status LEDs
Port Status LED Colors	Green: 1000Mbps; Amber: 100Mbps
LED Control	LAN Port LED Indicator Switch
Internal Power Rails	12V, 3.3V, and 1.1V
Noise Isolator - Main Power Circuit	17.78 dB @ 100MHz x2
Noise Isolator - Clock Generation Circuit	20.79 dB @ 100MHz x2
Chassis	Aluminum Case

Power Input	IEC AC 100-240V, 50/60Hz
Operating Temperature	0 to 30 °C
Storage Temperature	-20 to 70 °C
Operating Humidity	10% to 90% RH, Non-Condensing
Storage Humidity	5% to 95% RH, Non-Condensing
Product Dimensions	9.25" W x 11.06" D x 2.17" H (235mm W x 281mm D x 55mm H)
Product Weight	4.41 lbs. (2kg)
Package Dimensions	15.35" W x 14.17" D x 3.15" H (390mm W x 360mm D x 80mm H)
Package Weight	8.38 lbs. (3.8kg)

Compiled from the official NuPrime SW-9X product page. This is a retailer-prepared specification sheet, not an official NuPrime owner's manual.

Official source: <https://nuprimeaudio.com/product/sw-9x/>