SS-1 Pro

Standards and Protocol	IEEE 802.3：10BASE-T	
	IEEE 802.3 u：100BASE-X	
	IEEE 802.3 z：1000BASE-T	
	IEEE 802.3 ab：1000BASE-T	
	IEEE 802.3 ae：10G BASE-SR/LR	
	IEEE 802.3 bz：2.5G/5G BASE-T	
	IEEE 802.3 cb：2500BASE-X	
Ports	100Mbps/10Mbps RJ45 x2	
	2.5Gbps/1Gbps/100Mbps/10Mbps RJ45 x6	
	10Gbps SFP/SFP+ x2	
External Clock Input	10MHz / 50Ω impedance / Sine wave or square wave input	
LED Indicators	System LED - Power/Status indicator LED x1	
	System LED - Clock mode indicator LED x2	
	Port LED - Speed, Link & Activity LEDs	
Max MAC entries	16K MAC address table	
Power Specs	AC input	Auto voltage range linear power supply
		Power Voltage: AC 100V-120V 50/60Hz / AC 220V-240V 50/60Hz. Voltage auto adaptive.
		Power Consumption: < 15W
Weight & size	Weight	3.4kg (7.50 pounds)
	Size	Width: 330 mm (12.99 inches)
		Depth: 235 mm (9.25 inches)
		Height: 58.5 mm (2.30 inches)

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Standards and Protocol	IEEE 802.3：10BASE-T	
	IEEE 802.3 u：100BASE-X	
	IEEE 802.3 z：1000BASE-T	
	IEEE 802.3 ab：1000BASE-T	
	IEEE 802.3 ae：10G BASE-SR/LR	
	IEEE 802.3 bz：2.5G/5G BASE-T	
	IEEE 802.3 cb：2500BASE-X	
Ports	100Mbps/10Mbps RJ45 x2	
	2.5Gbps/1Gbps/100Mbps/10Mbps RJ45 x4	
	10Gbps SFP/SFP+ x2	
LED Indicators	System LED - Power/Status indicator LED x1	
	System LED - Clock mode indicator LED x2	
	Port LED - Speed, Link & Activity LEDs	
Max MAC entries	16K MAC address table	
Power Specs	AC input	Wide voltage switching power supply
		Power Voltage: AC 100V-240V 50/60Hz
		Power Consumption: < 15W
	DC input	External power voltage: DC 12V ±10%
		External power wattage: Larger than 18W
		Power plug: Outer diameter 5.5mm; inner diameter 2.1mm (+ for inner, - for outer)
Weight & size	Weight	2.3 kg (5.06 pounds)
	Size	Width: 280 mm (11.02 inches)
		Depth: 206 mm (8.11 inches)
		Height: 58.5 mm (2.30 inches)

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SS-1 Pro / SS-1

Audio Grade Network Switch

SS-1 Pro

Audio Grade Network Switch

SS-1 Pro is an audio grade network switch by Matrix Audio specifically for Hi-Fi audio streaming scenarios. SS-1 Pro is equipped with two 10Gbps ports and six 2.5Gbps Ethernet ports. In addition, we kept two low-speed ports dedicated for audio devices. SS-1 Pro is applied a fully linear power supply and a clock system composed by a femtosecond clock and a high-precision ultra-low phase noise RF synthesizer, and has two clock modes. The Hi-Fi spirit is incorporated into the design from the beginning.

- Dual 10Gbps isolated ports
- Low speed ports for audio devices
- Multi-port anti-interference
- Frequency synthesis FS clock system
- Configurable indicator LEDs
- Linear power, silent cooling
- Precision chassis design
- Isolation feet position adjustable

SS-1

Audio Grade Network Switch

SS-1 inherits the essence of SS-1 Pro. It is equipped with two 10Gbps ports, four 2.5Gbps Ethernet ports, as well as two low-speed ports dedicated for audio devices. It features a high-precision ultra-low phase noise femtosecond clock as the reference for the main controller. SS-1 has multiple ultra-low noise LDOs and supports external linear power input to explore potential performances, offering an excellent balance between price and performance.

- Dual 10Gbps isolated ports
- Low speed ports for audio devices
- Multi-port anti-interference
- Configurable indicator LEDs
- Precision chassis design
- Isolation feet position adjustable
- Optional for external linear power
- High precision femtosecond clock