DATA SHEET

HRUI

8-Port Full 10G SFP+ Ethernet Switch

www.hruitech.com

CE FC RoHS

This 8-port full 10G SFP+ Ethernet Switch adopts a high-quality and high-speed network chip solution with a full 10G network interface and smooth line speed forwarding. It is configured with 8* 10G SFP+ ports, which supports 1.25G/2.5G/10G rates. It adopts a storage and forwarding mechanism, and internally integrates a high capacity cache to ensure that all ports can achieve 10G non-blocking line speed forwarding, and adopt to more emergency situations. With a sturdy and durable and high strength steel shell design, the efficient heat dissipation ensures stable operation of the product. The switch can be widely used in security network video monitoring, hotels, campuses, large and medium-sized enterprise network engineering, and other fields.

Main features

- 8*10G SFP+ ports.

- Support IEEE 802.3, IEEE802.3u, IEEE 802.3ab, IEEE802.3 bz, IEEE 802.3 ae, IEEE 802.3.x.

- SFP+ ports support 1.25G/2.5G/10G .

- Support Port Auto MDI/MDIX.

- Panel Indicators monitor working conditions and assist in fault analysis.

- Flow Control Mode, IEEE802.3x standard for full duplex, and back pressure standard for half duplex.

- Supports one click code dialing and three speed switching.

- Support Purge Protection: ESD: air 8KV, Contact 6KV, Class B.

Application environment

Metropolitan fiber broadband network:

Telecommunications, cable TV, network system integration and other data network operators.

Broadband private network:

Suitable for special networks in industries such as finance, government, petroleum, railway, electric power, public security, transportation, education, etc.

Multimedia transmission:

Integrated transmission of images, voice, and data, suitable for applications such as distance education, conference television, and videophone.

Real time monitoring:

Simultaneous transmission of real-time control signals, images, and data

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Technical Specification	
I/O Interface	
Power input	DC 12V
Ethernet	8* 10G SFP+ ports
Chip Scheme	RTL9303
Performance	
Bandwidth	160Gbps
Packet Forwarding Rate	119.04Mpps
RAM	128MByte
Flash Memory	16MByte
Memory Cache	12Mbit
Mac Address Table	16K
Jumbo Frame	12Kbytes
Standard	
Network Protocol	IEEE802.3 (Ethernet)
	IEEE802.3u (Fast Ethernet)
	IEEE 802.3ab (Gigabit Ethernet)
	IEEE 802.3z (Gigabit Ethernet fiber standard)
	IEEE 802.3ae (10G Ethernet)
	IEEE802.3x (Flow control)
Industry Standard	EMS: EN61000-4-2 (ESD),
	EN61000-4-5 (Surge)
Optical Media	Multimode fiber: 50/125, 62.5/125, 100/140um
	Single mode fiber: 8/125, 8.7/125, 9/125, 10/125um
Certification	
Safety certification	CE, FCC, RoHS

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Environment Standard	
Working Environment	Working temperature: - 10~50 ℃ Storage temperature: - 40~70 ℃ Working humidity: 10%~90%, non-condensing Storage humidity: 5%~95%, non-condensing
Functional indication	
PWR (Power light)	On: Powered on Off: Powered off
SYS	Flashing: System startup in progress On: System startup completed
SFP Port Light	Blue on: 10G link Green on: 1000M/2500M link Flashing: Data transmitting Off: Link not working
Dial Switch	Left Side: 1 to 8 Ports have speeds of 10G/1G. Middle: 1 to 8 Ports have speeds of 10G/2.5G. Right Side: 1 to 4 Ports have speeds of 10G/1G, 5 to 8 Ports have speeds of 10G/2.5G.
Physical Specification	
Structure size	Productsize:220*126*28mm Packagesize:259*228*60mm Netweight:0.62KG Grossweight:0.86KG
Packing information	Cartonsize:535*320*480mm Packingquantity:20Pcs Packingweight:18.2KG
Supply voltage	Power Adapter: 12V2A
Power	Maximum 18W
Packing list	Switch 1PCS manual 1PCS certificate of conformity 1PCS power cord 1PCS

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Order Info	
HR-SWTG1C8F	**8-Port Full 10G SFP+ Ethernet Switch**

Product Picture

Product Structure