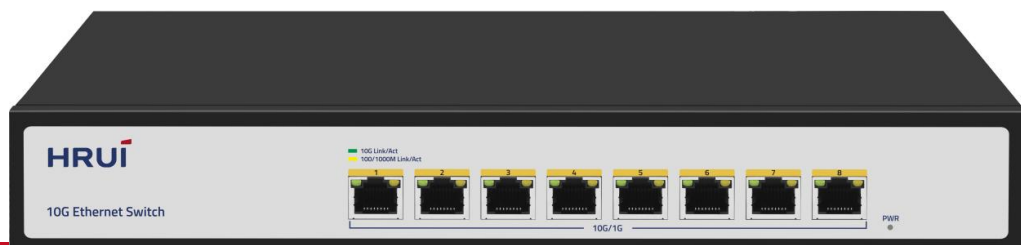# DATASHEET

HRUÍ

Commercial 8-Port Full 10G Ethernet Switch

www.hruitech.com

CE FC RoHS

The 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 Ethernet ports, which supports 100/1000M/2500M/5G/10G adaptive 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 fan 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 Ethernet ports.

- Support IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3 bz, IEEE 802.3 ae, IEEE 802.3. x, IEEE 802.3az.

- Ethernet ports support 100/1000M/2500M/5G/10G self-adaptive.

- Support Port Auto MDI/MDIX

- Panel indicators monitor operating conditions and assist in fault analysis.

- Flow control mode, IEEE802.3x standard for full duplex, and back pressure standard for half duplex.

- Support surge protection: Common mode 6KV, class C; ESD: air 8KV, contact 6KV, class C.

Application environment

Metropolitan fiber broadband network:

Telecommunications, cable TV, network system integration, etc., according to 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	AC100-240V 50/60Hz
Ethernet	8* 10G Ethernet ports
Chip Scheme	RTL9303+RTL8261N
Performance	
Bandwidth	160Gbps
Packet Forwarding Rate	119.04Mpps
RAM	128MByte
Flash Memory	16MByte
Memory Cache	12Mbit
Mac Address Table	16K
Jumbo Frame	12Kbyte
Standard	
Network Protocol	IEEE802.3 (Ethernet)
	IEEE802.3u (Fast Ethernet)
	IEEE 802.3ab (Gigabit Ethernet)
	IEEE 802.3az (Efficient and energy-saving Ethernet)
	IEEE 802.3ae (10G Ethernet)
	IEEE802.3x (Flow control)
	IEEE802.3 bz (2.5G/5G Ethernet standard）
Industry Standard	EMS: EN61000-4-2 (ESD),
	EN61000-4-5 (Surge)
Network Medium	100Base-TX: Cat5 or above UTP(≤100m)
	1000Base-TX: Cat5 or above UTP(≤100m)
	10000Base-TX: Cat7 or above UTP(≤100m)
Certification	
Safety certification	CE, FCC, RoHS

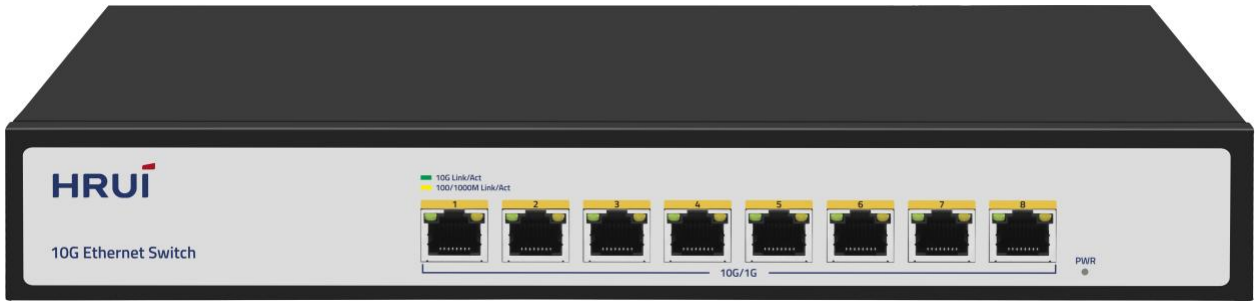# DATASHEET

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Environment Standard	
Working Environment	Working temperature: - 10~50 ° C Storage temperature: - 40~70 ° C Working humidity: 10%~90%, non condensing Storage humidity: 5%~95%, non condensing

Functional indication	
PWR (Power light)	On: Powered on Off: Powered off
Port LED light (green)	On: 5G/10G link connection is normal Flashing: Data transmission is normal Off: Link not working
Port LED (yellow)	On: 100/1000M link connection is normal Flashing: Data transmission is normal Off: Link not working

Physical Specification	
Structure size	Product size: 320* 207* 45mm Package size: 370* 290* 85mm Net weight: 1.72KG Gross weight: 2.12KG
Packing information	Carton size: 445* 310* 390mm Packing quantity: 5 Pcs Packing weight: 11.6KG
Supply voltage	Working voltage: AC100-240 V, 50/60Hz Power supply: 12V8A
Power	maximum 38.6W
Packing list	1 switch, 1 manual, 1 certificate of conformity, 1 power cord, 1 pair of rack ear

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Product Picture

Product Structure