

# 10/100/1000M External Media Converter 1\*RJ45 and 1\*SFP Port, With 100~260V AC to DC 5V Power adapter

## RD-1008DSFXX

### Product introduction

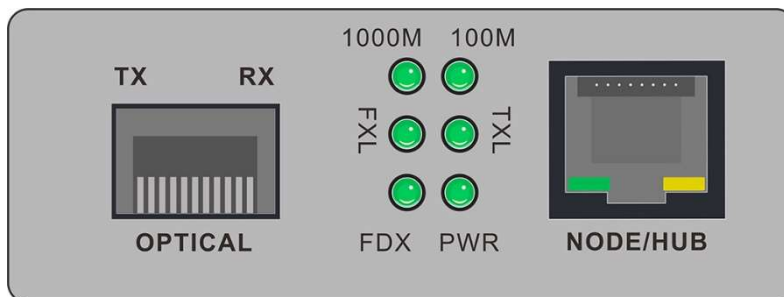
RD-1008DSFXX External Media Converter is produced by FIBERWDM, it converts the 1000M Ethernet electrical signal to optical signal, and the optical signal is sent and received synchronously by single-core or dual-core fiber. The signal is transmitted in the optical fiber in the form of optical pulses, which has many advantages than the Ethernet signal transmitted by twisted pair: high security, strong reliability, fast transmission rate, long distance, etc., which is very suitable for solving the remote transmission of network cameras, computers, switches, and other equipment. The Gigabit fiber transceiver is fully compliant with IEEE802.3, IEEE802.3U, and 100Base-FX standards.

### Functional characteristics

- ◆ 10/100/1000 Mbps adaptive RJ45 port
- ◆ One upper port is a 1000Mbps SFP fiber port
- ◆ Automatic port flipping (Auto MDI/MDIX)
- ◆ Flow control mode: full duplex adopts IEEE 802.3x standard, half duplex adopts Back pressure standard
- ◆ complies with IEEE 802.310Base-T and IEEE 802.3u 100/1000Base-TX standards
- ◆ The store-and-forward switching mechanism is adopted
- ◆ Line speeds are available in the range of 64 to 9000 frame lengths

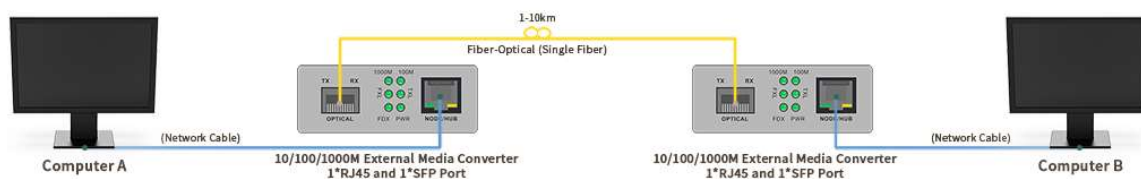


### Product Panel



10/100/1000M External Media Converter 1\*RJ45 and 1\*SFP Port

## Application diagram



## Technical parameters

Product name	RD-1008DSF External Media Converter
port	1*10/100/1000M copper RJ45 port (all ports support MDI/MDIX adaptive) 1* 1000M optical fiber SFP port
Forwarding mode	store-and-forward
Network medium	10BASE-T: Class 3, 4, 5 unshielded Twisted pair ( $\leq 100$ m) 100/1000BASE-TX: Class 5 and above unshielded twisted pair cable ( $\leq 100$ m)
	Single mode (9/125um) fiber transmission, transmission distance 20Km (default double fiber, optional order fiber)
Master chip	REALTEK RTL8213B
Network protocol and standard compatibility	IEEE802.3 (10Base-T)  IEEE802.3u (100Base-TX/FX)  IEEE802.3ab (1000Base-T)  IEEE802.3z (1000Base-SX/LX/CX/T)  IEEE802.3x (Fluid control)
LED indicator	Power supply, network port, optical port
Power support	Ext. Power Supply: 100~260V AC to DC 5V 1A Power adapter
Physical specification	dimension: 140mm×110mm×29mm
Environmental specification	Operating temperature: $-20^{\circ} \sim 75^{\circ}\text{C}$  Storage temperature: $-40^{\circ} \sim 85^{\circ}\text{C}$  Working humidity: 10% ~ 90%, non-condensing  Storage humidity: 10% ~ 95%, non-condensing
Keep under warranty	1 year warranty

### Package Information



### Order Information

Part No.	Product Specification
RD-1008DSF-D	10/100/1000M External Media Converter 1*RJ45 and 1*SFP Port, With 100~260V AC to DC 5V Power adapter
RD-1008DSF10D	10/100/1000M External Media Converter 1*RJ45 and 1*SFP Port, 1310nm 10km Dual fiber LC, With Ext. 100~260V AC to DC 5V Power adapter
RD-1008DSF20D	10/100/1000M External Media Converter 1*RJ45 and 1*SFP Port, 1310nm 20km Dual fiber LC, With Ext. 100~260V AC to DC 5V Power adapter
RD-1008DSF40D	10/100/1000M External Media Converter 1*RJ45 and 1*SFP Port, 1310nm 40km Dual fiber LC, With Ext. 100~260V AC to DC 5V Power adapter
RD-1008DSF80D	10/100/1000M External Media Converter 1*RJ45 and 1*SFP Port, 1550nm 80km Dual fiber LC, With Ext. 100~260V AC to DC 5V Power adapter
RD-1008DSF120D	10/100/1000M External Media Converter 1*RJ45 and 1*SFP Port, 1550nm 120km Dual fiber LC, With Ext. 100~260V AC to DC 5V Power adapter
RD-1008DSF160D	10/100/1000M External Media Converter 1*RJ45 and 1*SFP Port, 1550nm

	160km Dual fiber LC, With Ext. 100~260V AC to DC 5V Power adapter
RD-1008DSF200D	10/100/1000M External Media Converter 1*RJ45 and 1*SFP Port, 1550nm 200km Dual fiber LC, With Ext. 100~260V AC to DC 5V Power adapter
RD-1008DSF10AD	10/100/1000M External Media Converter 1*RJ45 and 1*SFP Port, TX1310 /RX 1550nm 10KM Single fiber LC, With Ext. 100~260V AC to DC 5V Power adapter
RD-1008DSF10BD	10/100/1000M External Media Converter 1*RJ45 and 1*SFP Port, TX1550 /RX 1310nm 10KM Single fiber LC, With Ext. 100~260V AC to DC 5V Power adapter
RD-1008DSF20AD	10/100/1000M External Media Converter 1*RJ45 and 1*SFP Port, TX1310 /RX 1550nm 20KM Single fiber LC, With Ext. 100~260V AC to DC 5V Power adapter
RD-1008DSF20BD	10/100/1000M External Media Converter 1*RJ45 and 1*SFP Port, TX1550 /RX 1310nm 20KM Single fiber LC, With Ext. 100~260V AC to DC 5V Power adapter
RD-1008DSF40AD	10/100/1000M External Media Converter 1*RJ45 and 1*SFP Port, TX1310 /RX 1550nm 40KM Single fiber LC, With Ext. 100~260V AC to DC 5V Power adapter
RD-1008DSF40BD	10/100/1000M External Media Converter 1*RJ45 and 1*SFP Port, TX1550 /RX 1310nm 40KM Single fiber LC, With Ext. 100~260V AC to DC 5V Power adapter
RD-1008DSF80AD	10/100/1000M External Media Converter 1*RJ45 and 1*SFP Port, TX1490 /RX 1550nm 80KM Single fiber LC, With Ext. 100~260V AC to DC 5V Power adapter
RD-1008DSF80BD	10/100/1000M External Media Converter 1*RJ45 and 1*SFP Port, TX1550 /RX 1490nm 80KM Single fiber LC, With Ext. 100~260V AC to DC 5V Power adapter
RD-1008DSF120AD	10/100/1000M External Media Converter 1*RJ45 and 1*SFP Port, TX1490 /RX 1550nm 120KM Single fiber LC, With Ext. 100~260V AC to DC 5V Power adapter
RD-1008DSF120BD	10/100/1000M External Media Converter 1*RJ45 and 1*SFP Port, TX1550 /RX

	1490nm 120KM Single fiber LC, With Ext. 100~260V AC to DC 5V Power adapter
RD-1008DSF160AD	10/100/1000M External Media Converter 1*RJ45 and 1*SFP Port, TX1490 /RX 1550nm 160KM Single fiber LC, With Ext. 100~260V AC to DC 5V Power adapter
RD-1008DSF160BD	10/100/1000M External Media Converter 1*RJ45 and 1*SFP Port, TX1550 /RX 1490nm 160KM Single fiber LC, With Ext. 100~260V AC to DC 5V Power adapter
RD-1008DSF180AD	10/100/1000M External Media Converter 1*RJ45 and 1*SFP Port, TX1490 /RX 1550nm 180KM Single fiber LC, With Ext. 100~260V AC to DC 5V Power adapter
RD-1008DSF180BD	10/100/1000M External Media Converter 1*RJ45 and 1*SFP Port, TX1550 /RX 1490nm 180KM Single fiber LC, With Ext. 100~260V AC to DC 5V Power adapter