

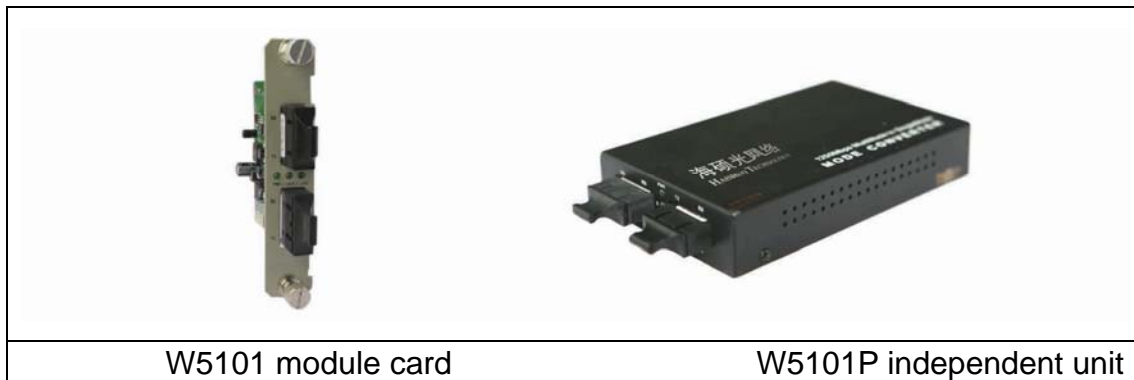
Module cards

HiOSO C5000 series CWDM chassis support: W5100 10/100M or 155M series and W5200 1000M series module cards.

2.2.1 W5101 series module

Cooperating with C5000 chassis, HiOSO W5101 CWDM series module implements signal conversion between common optical signal and appointed wavelength CWDM signal, which can supply different kinds of data format interfaces such as FE、STM-1 and optical fiber channel.

Pictures:



LED instruction:

PWR: Power; if it light on, in work.

FX Link A: Fiber link indicator light; if it light on, fiber A in work; if it is sparkling, data in transmission.

FX Link B: Fiber link indicator light; if it light on, fiber B in work; if it blink, data in transmission.

Parameters:

- Protocol: Seamless connection with Ethernets, SDH networks and fiber channels.
- Rate: 10/100Mbps and 155Mbps;
- Internal interface:
 - CWDM fiber interface: single-mode /SC、 FC;
 - Wavelength: 1270nm、 1290nm、 1310nm、 1330nm、 1350nm、 1370nm、 1430nm、 1450nm; 1470nm、 1490nm、 1510nm、 1530nm、 1550nm、 1570nm、 1590nm、 1610nm;
 - Distance: 40km、 60km、 80km、 110km optional;
- External:
 - Single-mode, multi-mode/SC、 FC;
 - Wavelength: 1310nm、 1550nm;

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Distance: multi-mode 220m、550m、2km, single-mode 25km、40km、60km、80km,100km,120km (optional);

- Power consumption: 2.5W;
- Dimension: 110mm x 81mm x 22mm; (module cards) , 85mm x 153mm x 26mm; (independent unit)
- Chassis: All of C5000 series.

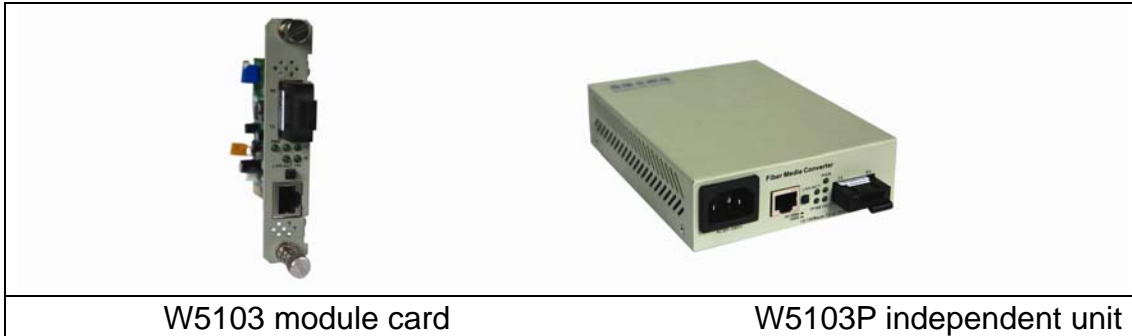
Order information

Type	Rate (Mbps)	External interface			Internal interface			interface	Power supply
		fiber	wavelength	distance	fiber	wavelength (nm)	distance (km)		
W5101-M13SC2 -SC40/60/80-Txx xx	100 or 155	Multi mode	1310nm	2km	Single- mode	1270 ~ 1370 1430~1610	40/60/80	SC	DC-5V
W5101-S13SC2 0-SC40/60/80-Tx xxx	100 or 155	Single- mode	1310nm	25km	Single- mode	1270~1370, 1430~1610	40/60/80	SC	DC-5V
W5101-S13SC4 0-SC40/60/80-Tx xxx	100 or 155	Single mode	1310nm	40km	Single- mode	1270~1370, 1430~1610	40/60/80	SC	DC-5V
W5101-S15SC6 0-SC40/60/80-Tx xxx	100 or 155	Single- mode	1310nm	60km	Single- mode	1270~1370, 1430~1610	40/60/80	SC	DC-5V
W5101-S15SC8 0-SC40/60/80-Tx xxx	100 or 155	Single- mode	1550nm	80km	Single- mode	1270~1370, 1430~1610	40/60/80	SC	DC-5V
W5101P-M85SC -SC40/60/80-Txx xx	100 or 155	Multi- mode	1310nm	2km	Single- mode	1270~1370, 1430~1610	40/60/80	SC	AC- 220V
W5101P-S13SC 10-SC40/60/80-T xxxx	100 or 155	Single- mode	1310nm	25km	Single- mode	1270~1370, 1430~1610	40/60/80	SC	AC- 220V
W5101P-S13SC 20-SC40/60/80-T xxxx	100 or 155	Single- mode	1310nm	40km	Single- mode	1270~1370, 1430~1610	40/60/80	SC	AC- 220V
W5101P-S15SC 40-SC40/60/80-T xxxx	100 or 155	Single- mode	1550nm	60km	Single- mode	1270~1370, 1430~1610	40/60/80	SC	AC- 220V
W5101P-S15SC 80-SC40/60/80-T xxxx	100 or 155	Single- mode	1550nm	80km	Single- mode	1270~1370, 1430~1610	40/60/80	SC	AC- 220V

2.2.2 W5103 series module

Cooperating with C5000 chassis, HiOSO W5103 CWDM series module implements signal conversion between Ethernet 10/100Base-TX cable electrical signal and appointed CWDM wavelengths 100Base-FX optical signal, supporting different kinds of data format interfaces such as E、FE and CAT-5.

Pictures



LED instruction:

PWR: Power; if it light on, in work.

FX Link/act: Fiber link or act indicator light, if it light on, in work, if it is sparkling, data in transmission.

TP Link/act: Electrical port link or act indicator light; if it light on, in work; if it is sparkling, data in transmission.

FDX: Link full/half duplex indicator light; if light on, works in full duplex.

TP100: Electrical rate indicator light; if light on, works in 100Mbps.

Parameters:

- Protocol: IEEE802.3u 100BASE-TX, IEEE802.3 10BASE-T;
- Rate: 10/100Mbps;
- Internal interface:
 - CWDM fiber interface: single-mode/SC、FC;
 - Wavelength: 1270nm、1290nm、1310nm、1330nm、1350nm、1370nm、1430nm、1450nm; 1470nm、1490nm、1510nm、1530nm、1550nm、1570nm、1590nm、1610nm;
 - Distance: 40km、60km、80km、110km optional;
- External interface:
 - Interface: Twisted-pair /RJ45;
 - Distance: 100m
- Power consumption: 2.5W;
- Dimension: 110mm x 81mm x 22mm (module cards) , 118mm X 152mm X 38mm (independent unit)
- Chassis: All of C5000 series chassis.

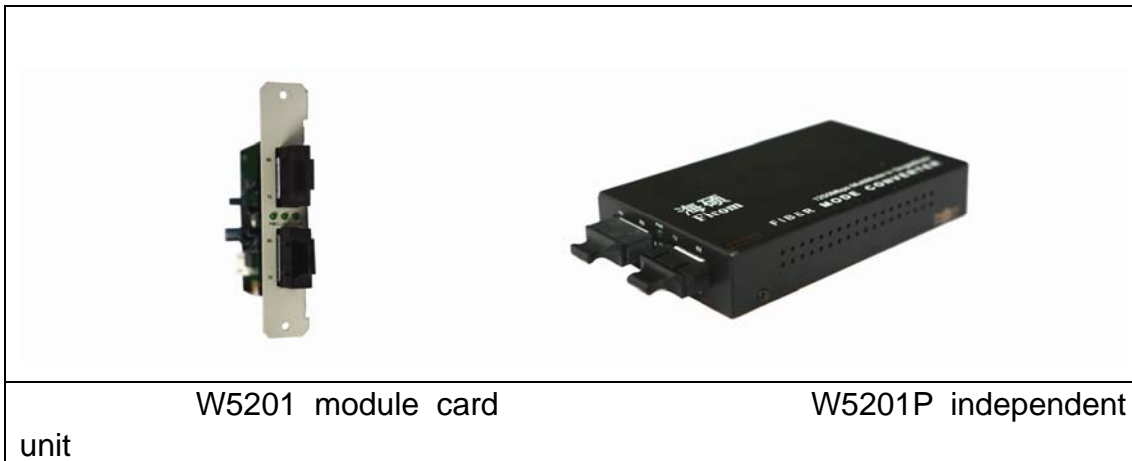
Order information:

Type	Rate (Mbps)	External interface		Internal interface			interface	power
		connect	port	fiber	wavelength (nm)	distance (km)		
W5103-SC40/60/80-Txxxx	10/100	Twisted-pair	RJ45	Single-mode	1270~1370, 1430~1610	40/60/80	SC	DC: 5V
W5103-SC40/60/80-Txxxx	10/100	Twisted-pair	RJ45	Single-mode	1270~1370, 1430~1610	40/60/80	SC	DC: 5V
W5103-SC40/60/80-Txxxx	10/100	Twisted-pair	RJ45	Single-mode	1270~1370, 1430~1610	40/60/80	SC	DC: 5V
W5103-SC40/60/80-Txxxx	10/100	Twisted-pair	RJ45	Single-mode	1270~1370, 1430~1610	40/60/80	SC	DC: 5V
W5103-SC40/60/80-Txxxx	10/100	Twisted-pair	RJ45	Single-mode	1270~1370, 1430~1610	40/60/80	SC	DC: 5V
W5103P-SC40/60/80-Txxxx	10/100	Twisted-pair	RJ45	Single-mode	1270~1370, 1430~1610	40/60/80	SC	AC: 220V
W5103P-SC40/60/80-Txxxx	10/100	Twisted-pair	RJ45	Single-mode	1270~1370, 1430~1610	40/60/80	SC	AC: 220V
W5103P-SC40/60/80-Txxxx	10/100	Twisted-pair	RJ45	Single-mode	1270~1370, 1430~1610	40/60/80	SC	AC: 220V
W5103P-SC40/60/80-Txxxx	10/100	Twisted-pair	RJ45	Single-mode	1270~1370, 1430~1610	40/60/80	SC	AC: 220V
W5103P-SC40/60/80-Txxxx	10/100	Twisted-pair	RJ45	Single-mode	1270~1370, 1430~1610	40/60/80	SC	AC: 220V

2.2.3 W5201 series module

Cooperating with C5000 chassis, HiOSO W5201 series module implements signal conversion between common optical signal and appointed wavelengths CWDM signal, supporting different kinds of data format interfaces such as FE、GE、STM-1/4/16 and optical fiber channel.

Pictures:



LED instruction:

PWR: Power; if it light on, in work.

FX Link A: Fiber link indicator light; if it light on, fiber A in work; if it is sparkling, data in transmission.

FX Link B: Fiber link indicator light; if it light on, fiber B in work; if it flash, data in transmission.

Parameters:

- Protocol: Seamless connection with Ethernets, SDH networks and fiber channels.
- Rate: 1000Mbps、1.25Gbps、622Mbps.
- Internal interface:
 - CWDM fiber input: single-mode/SC、FC;
 - Wavelength: 1270nm、1290nm、1310nm、1330nm、1350nm、1370nm、1430nm、1450nm; 1470nm、1490nm、1510nm、1530nm、1550nm、1570nm、1590nm、1610nm;
 - Distance: 40km、60km、80km (optional);
- External interface:
 - Single-mode, multi-mode /SC、FC;
 - Wavelength: 850nm、1310nm、1550nm;
 - Distance: multi-mode 220m/550m, single-mode 10km、20km、40km、80km、100km (optional);
- Power consumption: 3W;

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- Dimension: 110mm x 81mm x 22mm (module card) ,
85nm X 135nm X 26nm (independent unit)
Chassis: All of C5000 series chassis.

Order information:

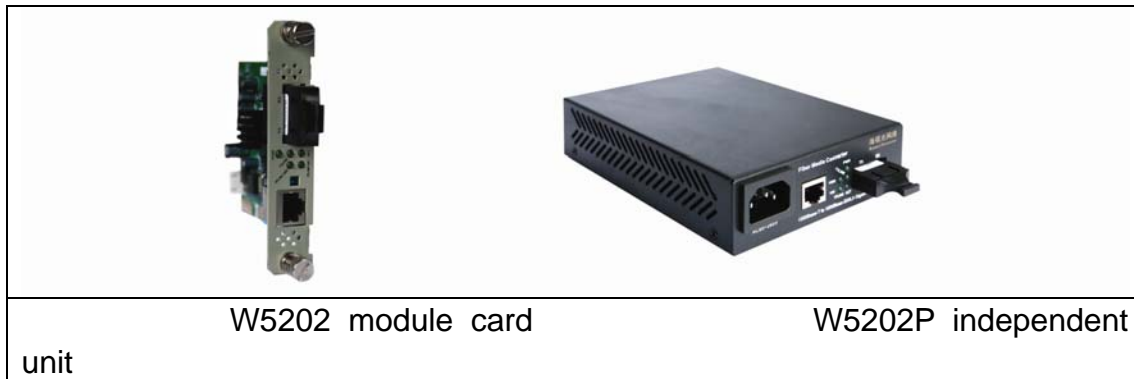
Type	Rate (Mbps)	External interface			Internal interface			ports	Power
		Fiber	Wavelength	Distance	Fiber	wavelength (nm)	Distance (km)		
W5201-M8 5SC-SC40/ 60/80-Txxx x	100 or 155	Multi mode	850nm	220m	Single mode	1270~ 1370, 1430~ 1610	40/60/80	SC	DC: 5V
W5201-S13 SC10-SC40 /60/80-Txxx x	100 or 155	Single mode	1310nm	10km	Single mode	1270~ 1370, 1430~ 1610	40/60/80	SC	DC: 5V
W5201-S13 SC20-SC40 /60/80-Txxx x	100 or 155	Single mode	1310nm	20km	Single mode	1270~ 1370, 1430~ 1610	40/60/80	SC	DC: 5V
W5201-S15 SC40-SC40 /60/80-Txxx x	100 or 155	Single mode	1550nm	40km	Single mode	1270~ 1370, 1430~ 1610	40/60/80	SC	DC: 5V
W5201-S15 SC80-SC40 /60/80-Txxx x	100 or 155	Single mode	1550nm	80km	Single mode	1270~ 1370, 1430~ 1610	40/60/80	SC	DC: 5V
W5201P-M 85SC-SC40 /60/80-Txxx x	100 or 155	Multi- mode	850nm	220m	Single mode	1270~ 1370, 1430~ 1610	40/60/80	SC	AC: 220V
W5201P-S1 3SC10-SC4 0/60/80-Txx xx	100 or 155	Single mode	1310nm	10km	Single mode	1270~ 1370, 1430~ 1610	40/60/80	SC	AC: 220V
W5201P-S1 3SC20-SC4 0/60/80-Txx xx	100 or 155	Single mode	1310nm	20km	Single mode	1270~ 1370, 1430~ 1610	40/60/80	SC	AC: 220V

W5201P-S1 5SC40-SC4 0/60/80-Txx xx	100 or 155	Single mode	1550nm	40km	Single mode	1270~ 1370, 1430~ 1610	40/60/80	SC	AC: 220V
W5201P-S1 5SC80-SC4 0/60/80-Txx xx	100 or 155	Single mode	1550nm	80km	Single mode	1270~ 1370, 1430~ 1610	40/60/80	SC	AC: 220V

2.2.4 W5202 series module

Cooperating with C5000 chassis, HiOSO W5202 CWDM series module implements signal conversion between Ethernet 1000Base-T CAT-5 electric signal and appointed CWDM wavelength 1000 Base-LX optical signal, supporting FE、GE CAT-5 and channel data interface.

Pictures:



LED instruction:

PWR: Power; if it light on, in work.

FX Link: Fiber link indicator light; if light on, it works.

TP Link/act: Electric port indicator light, if light on, it works.

Act: Packets transmission light; if it is sparkling, packets in transmission.

TP 100: 100M electric port rate indicator light, if light on, its rate is 100Mbps.

TP1000: 1000M electric port rate indicator light, if light on, its rate is 1000Mbps.

Parameters:

- Protocol: IEEE802.3z 1000BASE-LX, IEEE802.3ab 1000BASE-T;
- Rate: 1000Mbps;
- Internal interface:
 - CWDM fiber interface: single-mode /SC、FC;
 - Wavelength: 1270nm、1290nm、1310nm、1330nm、1350nm、1370nm、1430nm、1450nm、1470nm、1490nm、1510nm、1530nm、1550nm、1570nm、1590nm、1610nm;
 - Distance: 40km、60km、80km (optional);
- External interface:
 - Access interface: twisted-pair/RJ45;
 - Distance: 100m
- Power consumption: 6W;
- Dimension: 110mm x 81mm x 22mm (module cards) , 118mm X 152mm X 38mm (independent unit)
- Chassis: All of C5000 series chassis.

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Order information

Type	Rate (Mbps)	External interface		Internal interface			Ports	Power
		connections	ports	fiber	Wavelength (nm)	Distance (km)		
W5202-SC40/60/80-Txxxx	10/100	Twisted-pair	RJ45	Single-mode	1270~1370, 1430~1610	40/60/80	SC	DC: 5V
W5202-SC40/60/80-Txxxx	10/100	Twisted-pair	RJ45	Single-mode	1270~1370, 1430~1610	40/60/80	SC	DC: 5V
W5202-SC40/60/80-Txxxx	10/100	Twisted-pair	RJ45	Single-mode	1270~1370, 1430~1610	40/60/80	SC	DC: 5V
W5202-SC40/60/80-Txxxx	10/100	Twisted-pair	RJ45	Single-mode	1270~1370, 1430~1610	40/60/80	SC	DC: 5V
W5202-SC40/60/80-Txxxx	10/100	Twisted-pair	RJ45	Single-mode	1270~1370, 1430~1610	40/60/80	SC	DC: 5V
W5202P-SC40/60/80-Txxxx	10/100	Twisted-pair	RJ45	Single-mode	1270~1370, 1430~1610	40/60/80	SC	AC: 220V
W5202P-SC40/60/80-Txxxx	10/100	Twisted-pair	RJ45	Single-mode	1270~1370, 1430~1610	40/60/80	SC	AC: 220V
W5202P-SC40/60/80-Txxxx	10/100	Twisted-pair	RJ45	Single-mode	1270~1370, 1430~1610	40/60/80	SC	AC: 220V
W5202P-SC40/60/80-Txxxx	10/100	Twisted-pair	RJ45	Single-mode	1270~1370, 1430~1610	40/60/80	SC	AC: 220V
W5202P-SC40/60/80-Txxxx	10/100	Twisted-pair	RJ45	Single-mode	1270~1370, 1430~1610	40/60/80	SC	AC: 220V

2.2.5 W5203 series module

Cooperating with C5000 chassis, HiOSO W5203 CWDM series module implements signal conversion between Ethernet 10/100/1000Base-T cable electrical signal and appointed wavelength CWDM 1000Base-LX optical signal, support different kinds of application interfaces such as E, FE, GE CAT-5 channel data interface.

Pictures:



LED instruction:

PWR: power indicator light; if light on, it works.

FX Link/act: Fiber link or act indicator light, if it light on, in work, if it is sparkling, data in transmission.

TP Link/act: Electrical port link or act indicator light; if it light on, in work; if it is sparkling, data in transmission.

FDX: Link full/half duplex indicator light; if light on, works in full duplex.

TP1000: 1000M electric port rate indicator light, if light on, its rate is 1000Mbps.

Parameters:

- IEEE802.3z/ab 1000BASE-LX/T Gigabit Ethernet, IEEE802.3u 100BASE-TX, IEEE802.3 10BASE-T;
- Rate: 10Mbps、100Mbps、1.25Gbps
- Internal interface:
 - CWDM fiber input: single mode/SC、FC;
 - Wavelength: 1270nm、1290nm、1310nm、1330nm、1350nm、1370nm、1430nm、1450nm;
 - 1470nm、1490nm、1510nm、1530nm、1550nm、1570nm、1590nm、1610nm;
 - Distance: 40km、60km、80km (optional);
- External interface:
 - Interface: twisted-pair/RJ45;
 - Distance: 100m
- Power consumption: 6W;
- Dimension: 110mm x 83mm x 22mm (module card) , 118mm X 152mm X 38mm (independent unit)

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- Chassis: All of C5000 series chassis.

Order information

type	Rate (Mbps)	external interface		internal interface			Ports	Power
		connector	Ports	fiber	wavelength (nm)	Distance (km)		
W5203-SC40/60/80-Txxxx	10/100	Twisted-pair	RJ45	Single-mode	1270~1370, 1430~1610	40/60/80	SC	DC: 5V
W5203-SC40/60/80-Txxxx	10/100	Twisted-pair	RJ45	Single-mode	1270~1370, 1430~1610	40/60/80	SC	DC: 5V
W5203-SC40/60/80-Txxxx	10/100	Twisted-pair	RJ45	Single-mode	1270~1370, 1430~1610	40/60/80	SC	DC: 5V
W5203-SC40/60/80-Txxxx	10/100	Twisted-pair	RJ45	Single-mode	1270~1370, 1430~1610	40/60/80	SC	DC: 5V
W5203-SC40/60/80-Txxxx	10/100	Twisted-pair	RJ45	Single-mode	1270~1370, 1430~1610	40/60/80	SC	DC: 5V
W5203P-SC40/60/80-Txxxx	10/100	Twisted-pair	RJ45	Single-mode	1270~1370, 1430~1610	40/60/80	SC	AC: 220V
W5203P-SC40/60/80-Txxxx	10/100	Twisted-pair	RJ45	Single-mode	1270~1370, 1430~1610	40/60/80	SC	AC: 220V
W5203P-SC40/60/80-Txxxx	10/100	Twisted-pair	RJ45	Single-mode	1270~1370, 1430~1610	40/60/80	SC	AC: 220V
W5203P-SC40/60/80-Txxxx	10/100	Twisted-pair	RJ45	Single-mode	1270~1370, 1430~1610	40/60/80	SC	AC: 220V
W5203P-SC40/60/80-Txxxx	10/100	Twisted-pair	RJ45	Single-mode	1270~1370, 1430~1610	40/60/80	SC	AC: 220V