

## CS-1000

1000Base-T to 1000Base-SX/LX

Fiber Media Converter

SC interface



### TYPICAL APPLICATION



### PRODUCT DESCRIPTION

- **CS-1000** is a 1000Base-T (straight through and crossover) to 1000Base-SX/LX media converter. The media conversion is accomplished and do not need any complex setting.
- **SIX LEDs** indicate the detailed operating status of the converter for easier fault identification.
- **CS-1000** can be *stand-alone* unit (powered by external adaptor), and *slide-in card* type to fit in **CRM-2800** (18+1 slots) series 2U-chassis for central wiring cabinet.

### KEY FEATURES

- Comply with IEEE 802.3z 1000Base-SX/LX, 802.3ab 1000Base-T
- No need to adjust and set the configuration
- Support of full duplex transmission
- Cut-through operation mode for very low latency
- 6 diagnostic LEDs (Power, Full Duplex / Collision, Fiber Link, Fiber Receiving, TP Link and Fiber Transmitting)
- Stand-alone unit and slide-in card package
- SC optical connector with duplex fibers or single fiber (Bi-Directional) transmission
- RoHS Compliance



# CS-1000 1000Base-T to 1000Base-SX/LX Fiber Media Converter



Access Technologies ... FTTX, IP Digital Surveillance Networking

## SPECIFICATIONS

<b>IEEE Compliance</b>	802.3z 1000Base-SX/LX, 802.3ab 1000Base-T
<b>TP Interface</b>	1000Base-T supported RJ-45 port
<b>TP connectivity</b>	Up to 100 m with Cat. 5 cable
<b>Fiber Interface</b>	1000Base-SX/LX supported port
<b>Fiber Connectivity</b>	Up to 550 m with 50/125 or 62.5/125 $\mu$ m multimode fiber Up to 70 km with 9/125 $\mu$ m single-mode fiber (depending on model)
<b>LED Indicators</b>	Power, Full Duplex/Collision, Fiber Link, Fiber Receiving, TP Link, Fiber Transmitting
<b>Power Supply (Stand-alone Unit)</b>	Input: 100 ~ 240 VAC 50 ~ 60Hz, Output: 5 VDC, 1 A
<b>Dimensions</b>	Stand-alone unit: 102 mm X 63.6 mm X 21.4 mm Slide-in card: 87 mm X 22.2 mm X 113.5 mm
<b>Weight</b>	Stand-alone unit (package weight): 210 g; Slide-in card (package weight): 195 g
<b>Operating Temperature</b>	Main unit: 0 ~ 70°C; Power adaptor: 0 ~ 40°C
<b>Operating Humidity</b>	10% ~ 90% RH (non-condensing)
<b>Electromagnetic Compliance</b>	FCC Class A, CE Class A

## CS-1000 Ordering Information

<b>Operating in Multi Mode &amp; Dual Strand</b>			
Ordering Code: CS-1000-MS1 C4			
C1	C2	C3	C4
			Unit type
			S= Stand Alone R= Slide in card
		Fiber Interface 1: SC	
	Distance		
	S: 550 m		
Mode M: Multi Mode			

<b>Operating in Single Mode &amp; Dual Strand</b>			
Ordering Code: CS-1000-S C2 1 C4			
C1	C2	C3	C4
			Unit type
			S= Stand Alone R= Slide in card
		Fiber Interface 1: SC	
	Distance		
	A: 10 km	S: 60km	V: 70km
Mode S: Single Mode			

<b>Operating in Single Mode, Single Strand and BiDi Transmission</b>			
Ordering Code: CS-1000-S C2 C3 C4			
C1	C2	C3	C4
			Unit type
			S= Stand Alone; R= Slide in card
		Fiber Interface	
		2: SC ( TX=1310 nm ); 3: SC ( TX=1550 nm )	
	Distance		
	C:20km	M:40km	V:70km
Mode S: Single Mode			



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## Ordering Information (All models):

Model Number	Description		
CS1000-MS1R	Duplex multimode	SC fiber interface, 550m,	slide-in card
CS1000-MS1S	Duplex multimode	SC fiber interface, 550m,	stand alone
CS1000-SA1R	Duplex single-mode	SC fiber interface, 10 km,	slide-in card
CS1000-SA1S	Duplex single-mode	SC fiber interface, 10 km,	stand alone
CS1000-SC2R	Simplex single-mode	SC fiber interface, 20 km, Tx: 1310 nm,	slide-in card
CS1000-SC2S	Simplex single-mode	SC fiber interface, 20 km, Tx: 1310 nm,	stand alone
CS1000-SC3R	Simplex single-mode	SC fiber interface, 20 km, Tx: 1550 nm,	slide-in card
CS1000-SC3S	Simplex single-mode	SC fiber interface, 20 km, Tx: 1550 nm,	stand alone
CS1000-SM2R	Simplex single-mode	SC fiber interface, 40 km, Tx: 1310 nm,	slide-in card
CS1000-SM2S	Simplex single-mode	SC fiber interface, 40 km, Tx: 1310 nm,	stand alone
CS1000-SM3R	Simplex single-mode	SC fiber interface, 40 km, Tx: 1550 nm,	slide-in card
CS1000-SM3S	Simplex single-mode	SC fiber interface, 40 km, Tx: 1550 nm,	stand alone
CS1000-SS1R	Duplex single-mode	SC fiber interface, 30 km,	slide-in card
CS1000-SS1S	Duplex single-mode	SC fiber interface, 30 km,	stand alone
CS1000-SV1R	Duplex single-mode	SC fiber interface, 70 km,	slide-in card
CS1000-SV1S	Duplex single-mode	SC fiber interface, 70 km,	stand alone

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