

CES-11680-Gi

16 埠 1000 SFP + 8 埠 10/100/1000TX RJ-45 埠

全光纖網路交換機



- 支援 IEEE802.3ab 1000BaseT 銅纜與 IEEE 802.3z 1000Base SX/LX 之千兆乙太網路標準
- 內建十六個 1000Base SX/LX 乙太網路傳輸埠，SFP 埠可支援多模光纖或單模光纖之 SFP 收發器
- 網路傳輸埠可支援全雙工、Auto-MDI/MDI-X 以及自動偵測傳輸速率功能
- 符合 IEEE 802.3ab 標準，最高網速可達 1000Mbps，同時支援八埠上連端口，可作為現場設備連線使用
- 支援操作溫度 0°C ~ 50°C
- 鋼製外殼 IP-30 設計，雙電源輸入確保系統使用安全性



OVERVIEW

CES-11680-Gi 是新一代 24 埠乙太網路光纖交換器，擁有容納強大 L2 交換地址 8K、支援 56G 背板頻寬，並支援 IEEE 802.3/802.3u/802.3x 和 10/100/1000M、全/半雙工、MDI/MDI-X 自動偵測，可真實達到隨插即用，為使用者帶來快速且經濟實惠經由光纖或銅軸線纜傳輸的乙太網路傳輸服務。

CES-11680-Gi 擁有 16 埠 1G SFP 以及 8 埠 10M/100M/1G RJ45 埠口，高硬體效能與彈性化擴充，高埠數 GbE SFP 光纖接口特別適用於工業區、大樓自動化、社區寬頻建置、中小型企業光纖網路。

CES-11680-Gi 支援鋼製外殼及強固型設計，可支援 0 ~ 50 度的操作溫度，可搭配 CTI-1000-SM10 系列光電轉換器使用，兼顧耐用與實用的網路設計

FEATURES & BENEFITS

- 系統介面 / 效能
 - 16 x GbE SFP + 8 10/100/1000Mbps Gigabit 乙太路光纖集中型交換機
 - MDI/MDI-X 自動偵測
 - 200Mbps full-duplex(全雙工)頻寬與 10/00M 埠連線；2000Mbps full-duplex(全雙工)頻寬可達 1000M 埠
 - 內建 8K MAC 地址表
 - 自動配置(automatic source address learning and aging)網路配置
- 符合 IEEE 802.3 10Base-T、IEEE 802.3u 100Base-TX、IEEE 802.3ab 1000Base-T、IEEE 802.3z 1000Base-SX/LX
- 符合 CE, FCC
- 支援儲存轉發執行方式
- 100~240 VAC Power input with internal redundant power
- Metal Housing with rackmount and IP30 Design

SPECIFICATION

IEEE Standards	IEEE802.3 10Base-T Ethernet IEEE802.3u 100Base-TX IEEE802.3ab 1000Base-TX IEEE802.3z Gigabit Fiber IEEE802.3x Flow Control and Back Pressure	Transfer Rate	@64bytes 14,881pps for Ethernet port 148,810pps for Fast Ethernet port 148,810pps for Giga Ethernet port
Switch Properties	Back-plane (Switching Fabric): 56 Gbps Packet throughput ability (Full-Duplex): 1488096pps	Connectors	1000 FX: 16 x 1000 SFP 10/100/1000M TX: 8 x RJ-45 with auto MDI/MDI-X function
		MAC Address	8K MAC addresses

Datasheet Version 1.0

Processing	Store-and-Forward	LED	Power Indicator : Green LED x 2 10/100/1000Base-T(X) RJ45 port indicator : Green LED x8 Amber x8 1000Base-SX/LX Fiber port indicator : Green LED x8
Network Cable	10Base-T: 2-pair UTP/STP Cat. 3, 4, 5, 6 cable EIA/TIA-568 100-ohm (100m) 100Base-TX: 2-pair UTP/STP Cat. 5, 6 cable EIA/TIA-568 100-ohm (100m) 1000Base-TX: 2-pair UTP/STP Cat. 5, 6 cable EIA/TIA-568 100-ohm (100m)	Power Supply	100~240 VAC Power input with internal redundant power
Fiber Optical	Distance: Multi mode: 0 to 5 km, 1300 nm (50/125 μm, 800 MHz*km) 0 to 4 km, 1300 nm (62.5/125 μm, 500 MHz*km) Single mode: 0 to 40 km, 1310 nm (9/125 μm, 3.5 PS/(nm*km)) 0 to 80 km, 1550 nm (9/125 μm, 19 PS/(nm*km)) Min. TX Output: Multi mode: -20 dBm Single mode: 0 to 40 km, -5 dBm; 0 to 80 km, -5 dBm Max. TX Output: Multi mode: -14 dBm Single mode: 0 to 40 km, 0 dBm; 0 to 80 km, 0 dBm Sensitivity: -36 to -32 dBm(SM); -34 to -30(MM)	Consumption	Less than 30 Watts (Full load: Only Ethernet)
Protocol	CSMA/CD	Overload Current	NC
Case Dimension	Metal case; 440mm(W)x205mm(D)x45mm(H)	Reserve Polarity	NC
Weight	2200g	Operating Humidity	5% to 95% Non-condensing
		Operating Temperature	0°C~50°C
		Storage Temperature	-20°C~70°C
		Certification	FCC CE
		Warranty	1 years

*Future Release
**Optional

ORDERING INFORMATION

■ CES-11680-Gi

16 -1000SFP +8 10/100/1000TX Fiber optical Switch; 0°C~50°C

OPTIONAL ACCESSORIES

DIN Rail Power

- **HDR-30-12** 12VDC, 2 A, Wide AC Input, Convection Cooled, DIN Rail , RoHS, Operating Temp. -30°C~70°C
- **MDR-40-12** 12VDC, 3.3 A, Wide AC Input, Convection Cooled, DIN Rail , RoHS, Operating Temp. -20°C~70°C
- **HDR-60-12** 12VDC, 4.5 A, Wide AC Input, Convection Cooled, DIN Rail , RoHS, Operating Temp. -30°C~70°C

SFP Transceiver

- **CT-1000-SM10**
1.25G SFP-1000LX Transceiver Hot Pluggable, Duplex LC, 1310nm FP, Single Mode, 10KM; 0°C to 70°C
- **CTI-1000-SM10**
1.25G SFP-1000LX Transceiver Hot Pluggable, Duplex LC, 1310nm FP, Single Mode, 10KM; -40°C to 85°C
- **CTI-1000-SM10-D**
1.25G SFP-1000LX Transceiver Hot Pluggable, Duplex LC, 1310nm FP, Single Mode, 10KM; Support DDM ; -40°C to 85°C
- **CT-1000-SX**
1.25G SFP-1000SX Transceiver Hot Pluggable, Duplex LC, 850nm VCSEL, Multi Mode, 550M ; 0°C to 70°C
- **CTI-1000-SX**
1.25G SFP-1000SX Transceiver Hot Pluggable, Duplex LC, 850nm VCSEL, Multi Mode, 550M ; -40°C to 85°C
- **CTI-1000-SX-D**
1.25G SFP-1000SX Transceiver Hot Pluggable, Duplex LC, 850nm VCSEL, Multi Mode, Support DDM, 550M ; -40°C to 85°C

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