

ICES-1280-K

8 埠 10/100TX + 2 埠 10/100/1000 SFP 複合埠

工業乙太網路交換機

- 符合 IEEE 802.3ab 支援 Gigabit 網路連線
- 雙電源輸入並支援極性保護與過電流保護
- 符合工業安全規範標準
- 支援 Non-Blocking 無阻塞設計
- 支援存儲轉發設計
- 具備告警輸出功能，可連接外部警示燈
- 耐高溫設計，操作溫度範圍 -40°C ~ 75°C
- 寬電壓輸入設計 12VDC ~ 54VDC
- 符合 IP-30 強度保護
- 適用環境：安防領域、戶外監控、工業自動化、工業視覺檢測、太陽能發電應用



OVERVIEW

萬東科技 ICES-1280-K 提供 8 埠 10/100M 高速乙太網路端口，包含 2 port 10/100/1000M RJ-45 端口複合 2 port 1000M 光纖埠，並支援 SFP 標準界面，可應用於多數 PTZ IP-cam 以及 Speed Dome 需求。

ICES-1280-K 支援雙電源輸入，以及(power failure alert)電源遺失自動告警顯示，該功能並支援外部警示燈號，以提高設備安全性。同時支援滑軌式(Din-Rail)或壁掛式安裝，方便於安裝施工。

ICES-1280-K 是為符合嚴峻使用環境而設計，全機身符合 IP-30 強化保護，並通過相關工業安全規範檢驗，EMI 檢磁規範及德凱宜特實驗室通過各式嚴格試驗包含落下、震動及衝擊試驗，以確保產品設計的可靠性及穩定度。

ICES-1280-K 採 Non-Blocking 無阻塞設計，確保在各種狀況下能全速傳輸，同時每埠最高可提供 200Mbps 雙向傳輸速率，提供足夠的帶寬處理能力，確保網路可長時間並且穩定使用，是提升網路性能的最佳方案。

ICES-1280-K 可與戶外無線接入點(WIFI-AP)及 Speed Dome/IP-CAM 等設備連接，並可應用於安防科技、戶外監控、工業自動化、工業視覺檢測、太陽能發電應用等環境。

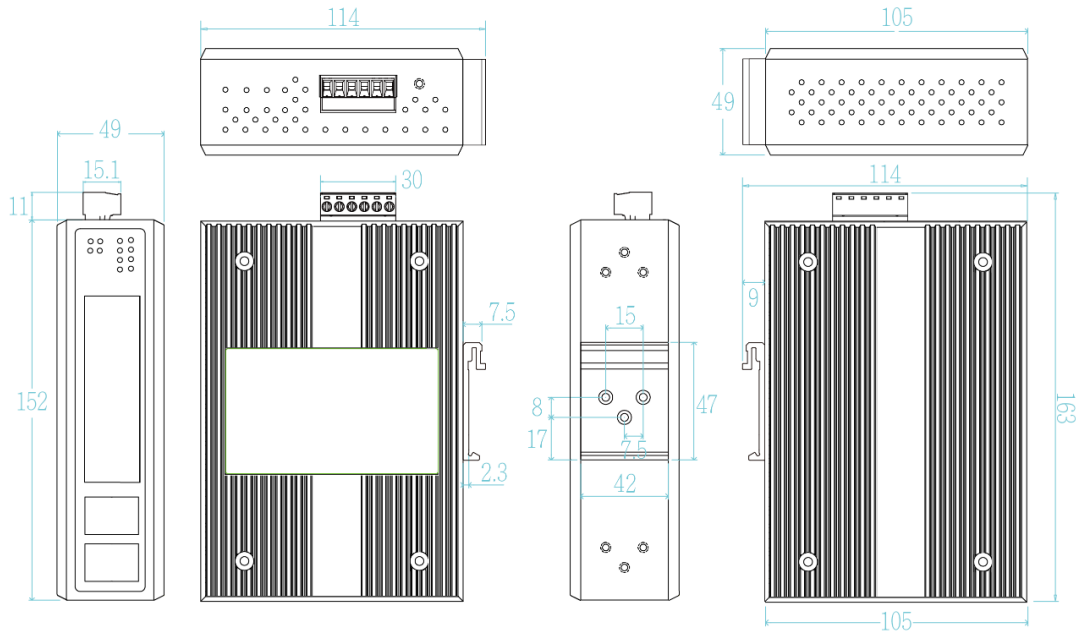
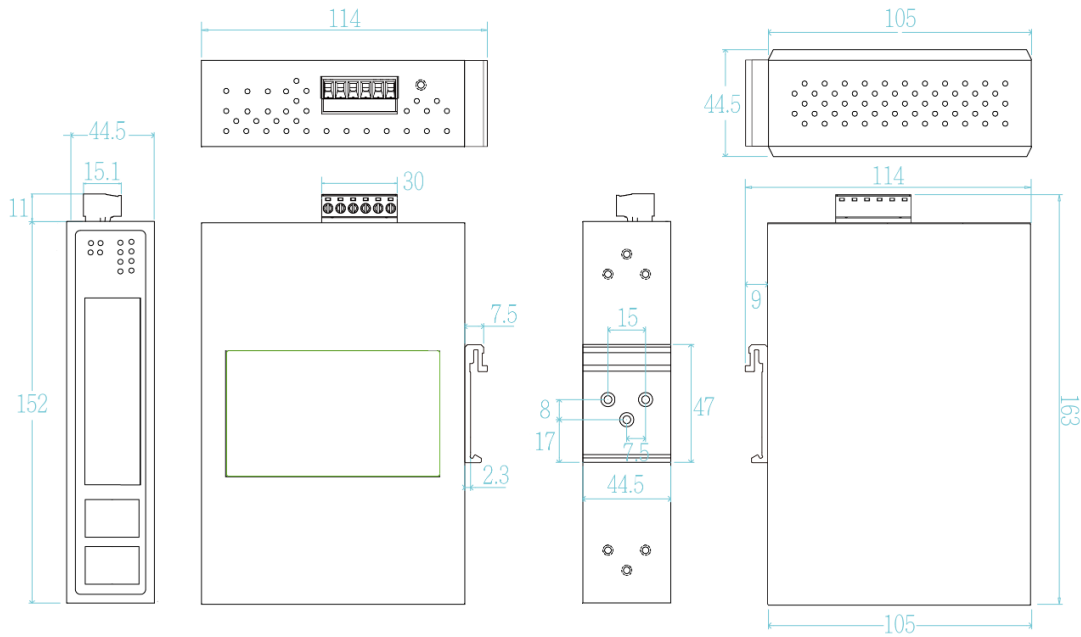
ICES-1280-K 支援寬溫設計，符合-40~75 度操作溫度，可長時間安裝於戶外機箱，是最佳工業級網路交換機方案。

FEATURES & BENEFITS

- 系統介面 / 效能
 - RJ-45 埠支援 Auto MDI/MDI-X 功能
 - 存儲轉發系統架構 Store-and-Forward
 - 背板頻寬 (Switching Fabric): 1.0Gbps
 - 16K MAC 網路地址表
- 寬溫設計(-40°C~75°C)
- 強化設計，符合 IP-30 保護
- 寬電壓輸入直流 DC 12-54 V，雙電源設計(符合工業用檢磁及安全規範)
- 支援極性保護，過電流保護

DIMENSIONS

ICES-1280-E


ICES-1280-K


SPECIFICATION

IEEE Standards	IEEE802.3 10Base-T Ethernet	Single-mode or Multi-mode type fiber cable
	IEEE802.3u 100Base-TX	
Switch Properties	IEEE802.3ab 1000Base-TX	16K MAC addresses
	IEEE802.3z Gigabit Fiber	4M bits
	IEEE802.3x Flow Control and Back Pressure	Store-and-Forward
	Back-plane (Switching Fabric): 5.6Gbps Packet throughput ability (Full-Duplex): 1488096pps @64bytes	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)
Transfer Rate	14,881pps for Ethernet port 148,810pps for Fast Ethernet port 148,8096pps for Gigabit Ethernet port	Optical Cable
Connectors	10/100TX: 8 x RJ-45 with auto MDI/MDI-X function	Multi-mode: 50/125um~62.5/125um
	100M/1000M fiber: 2 x dual speed SFP slot for	Single-mode: 9/125um

Available distance: 2km (Multi-mode)/30km (Single-mode)	Wavelength: 1310nm (Multi-mode/Single-mode)	Operating Humidity	5% to 95% Non-condensing
		Operating Temperature	-40°C~75°C / -40°F~167°F
Protocol	CSMA/CD	Storage Temperature	-40°C~85°C / -40°F~185°F
		MTBF	Over 190000 hours ,(>20 Years)
Case Dimension	Aluminum case,IP-30; 49mm(W)x105mm(D)x152mm(H)	FCC(EMI)	FCC Part15,SubpartB ,Class A
		CE(EMi)	EN61000-6-4(EMI)
Weight	648g	CE(EMS)	EN61000-4-2 (ESD), EN61000-4-3 (RS), EN61000-4-4 (EFT), EN61000-4-5 (Surge), EN61000-4-6 (CS), EN61000-4-8, EN61000-4-11 EN61000-6-2(EMS)
LED	Power Indicator Green LED x 2 10/100Base-T(X) RJ45 port indicator Green for port Link/Act. Amber for Duplex/Collision	Stability Testing	IEC60068-2-31 (Drop Off) IEC60068-2-27 (Shock) IEC60068-2-6 (Vibration)
Power Supply	12~54VDC, Redundant power with polarity reverse protect function and removable terminal block	Warranty	3 years
Consumption	5.76 Watts (Full load: Only Ethernet)		
Overload Current	Present		
Reserve Polarity	Present		

*Future Release
**Optional

ORDERING INFORMATION

- ICES-1280-k**
 8 10/100TX +2 10/100/1000TX/Giga SFP Industrial Switch; Input Power 12VDC ~ 54 VDC ; Include of 30W industrial power ; -20°C~60°C;
- ICPS-1280-E**
 8 10/100TX +2 10/100/1000TX/Giga SFP Industrial Switch; Input Power 12VDC ~ 54 VDC ;-40°C~75°C;

OPTIONAL ACCESSORIES

Mini GBIC (SFP)

- | | |
|--|--|
| <ul style="list-style-type: none"> ■ 8330-162 MINI GBIC 1000SX (LC/0.5km) Transceiver ■ 8330-163 MINI GBIC 1000SX2 (LC/2km) Transceiver ■ 8330-165 MINI GBIC 1000LX (LC/10km) Transceiver ■ 8340-0591 MINI GBIC 1000LHX (LC/40km) Transceiver ■ 8330-166 MINI GBIC 1000XD (LC/50km) Transceiver ■ 8330-169 MINI GBIC 1000XD (LC/60km) Transceiver ■ 8330-167 MINI GBIC 1000ZX (LC/80km) Transceiver ■ 8330-170 MINI GBIC 1000EZ (120km) Transceiver ■ 8330-168 MINI GBIC 1000T (100m) Transceiver ■ 8330-061 100Base LX 30KM, Single-mode, LC Transceiver ■ 8330-060 100Base FX 2KM, Multi-mode, LC Transceiver | <ul style="list-style-type: none"> ■ 8330-188 LTSFP-1000BX-10KM Transceiver (WDM 1310) ■ 8330-189 LTSFP-1000BX-10KM Transceiver (WDM 1550) ■ 8330-186 LTSFP-1000BX-20KM Transceiver (WDM 1310) ■ 8330-187 LTSFP-1000BX-20KM Transceiver (WDM 1550) ■ 8330-180 LTSFP-1000BX-40KM Transceiver (WDM 1310) ■ 8330-182 LTSFP-1000BX-40KM Transceiver (WDM 1550) ■ 8330-181 LTSFP-1000BX-60KM Transceiver (WDM 1310) ■ 8330-183 LTSFP-1000BX-60KM Transceiver (WDM 1550) ■ 8330-184 LTSFP-1000BX-80KM Transceiver (WDM 1490) ■ 8330-185 LTSFP-1000BX-80KM Transceiver (WDM 1550) |
|--|--|

WanDong Technology Co.,Ltd..
www.wandong.com.tw
shsh0963@gmail.com

© 2021 Copyright WanDong Technology Co.,Ltd. all rights reserved.
 The revise authority rights of product specifications belong to WanDong Technology Co.,Ltd..
 WanDong may make changes to specification and product descriptions at anytime, without notice.