

ICES-1280-TF-AK

8 埠 10/100TX + 2 埠 10/100/1000 RJ-45 埠

工業平坦型乙太網路交換機



- 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 $-40^{\circ}\text{C} \sim 75^{\circ}\text{C}$
- 符合 IP-30 強度保護
- 適用環境：安防領域、戶外監控、宅內箱應用



OVERVIEW

萬東科技 ICES-1280-TF-AK 機型提供 8 埠 10/100M 高速乙太網路端口，包含 2 port 10/100/1000M RJ-45 端口埠，可應用於多數 PTZ IP-cam 以及 Speed Dome 需求。

ICES-1280-TF-AK 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-TF-AK 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 檢磁規範及可靠性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-TF-AK 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。

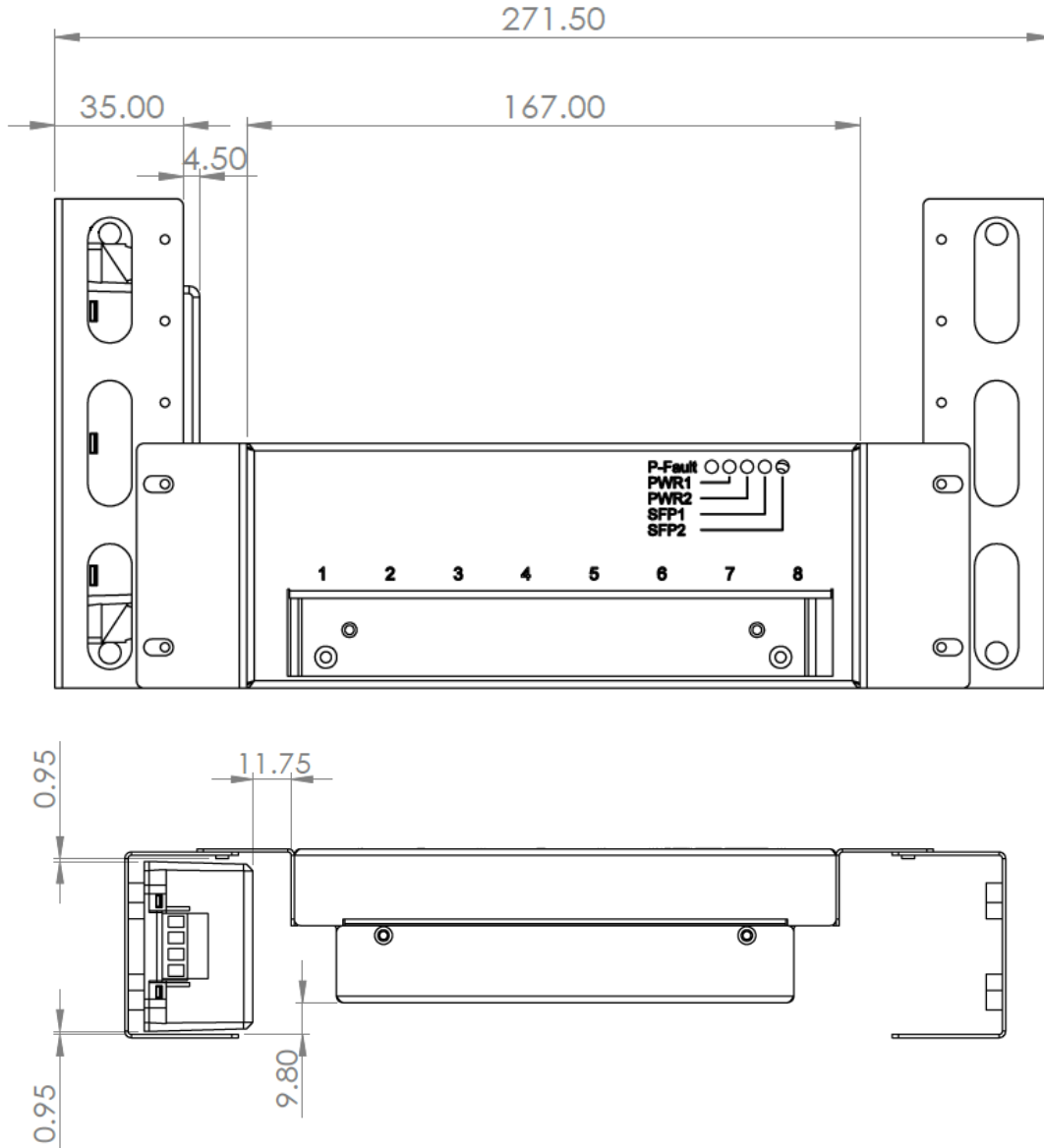
ICES-1280-TF-AK 可與戶外無線接入點(WIFI-AP)及 Speed Dome/IP-CAM 等設備連接，並可應用於安防科技、戶外監控、工業自動化、宅內箱應用等環境。ICES-1280-TF-AK 支援寬溫設計，符合 $-40 \sim 75$ 度操作溫度，可長時間安裝於戶外機箱，是最佳工業級網路交換機方案。

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): 5.6Gbps
 - 16K MAC 網路地址表
- 寬溫設計($-40^{\circ}\text{C} \sim 75^{\circ}\text{C}$)
- 強化設計，符合 IP-30 保護
- 電壓輸入直流 DC 48-54 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-TF-AK



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	Optical Cable	Multi-mode: 50/125um~62.5/125um Single-mode: 9/125um Available distance: 2km (Multi-mode)/30km (Single-mode) Wavelength: 1310nm (Multi-mode/Single-mode)
Switch Properties	Back-plane (Switching Fabric): 5.6Gbps Packet throughput ability (Full-Duplex): 1488096pps @64bytes	Protocol	CSMA/CD
Transfer Rate	14,881pps for Ethernet port 148,810pps for Fast Ethernet port 148,8096pps for Gigabit Ethernet port	Case Dimension	Metal case,IP-30; 167mm(W)x67mm(D)x48mm(H)
Connectors	10/100TX: 8 x RJ-45 with auto MDI/MDI-X function 100M/1000M RJ-45: 2 x Giga Copper	Weight	480g
MAC Address	16K MAC addresses	LED	Power Indicator Green LED x 2 10/100Base-T(X) RJ45 port indicator Green for port Link/Act. Amber for Duplex/Collision
Packet Buffer	4M bits		
Processing	Store-and-Forward		
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)		

Power Supply	48~54VDC, Redundant power with polarity reverse protect function and removable terminal block	<table border="1"> <tr> <td></td> <td>EN61000-4-4 (EFT), EN61000-4-5 (Surge), EN61000-4-6 (CS), EN61000-4-8, EN61000-4-11 EN61000-6-2(EMS)</td> </tr> <tr> <td>Stability Testing</td> <td>IEC60068-2-31 (Drop Off) IEC60068-2-27 (Shock) IEC60068-2-6 (Vibration)</td> </tr> <tr> <td>Warranty</td> <td>3 years</td> </tr> </table>		EN61000-4-4 (EFT), EN61000-4-5 (Surge), EN61000-4-6 (CS), EN61000-4-8, EN61000-4-11 EN61000-6-2(EMS)	Stability Testing	IEC60068-2-31 (Drop Off) IEC60068-2-27 (Shock) IEC60068-2-6 (Vibration)	Warranty	3 years
	EN61000-4-4 (EFT), EN61000-4-5 (Surge), EN61000-4-6 (CS), EN61000-4-8, EN61000-4-11 EN61000-6-2(EMS)							
Stability Testing	IEC60068-2-31 (Drop Off) IEC60068-2-27 (Shock) IEC60068-2-6 (Vibration)							
Warranty	3 years							
Consumption	5.76 Watts (Full load: Only Ethernet)							
Overload Current	Present							
Reserve Polarity	Present							
Operating Humidity	5% to 95% Non-condensing							
Operating Temperature	-40°C~75°C / -40°F~167°F							
Storage Temperature	-40°C~85°C / -40°F~185°F							
FCC(EMI)	FCC Part15,SubpartB ,Class A							
CE(EMI)	EN61000-6-4(EMI)							
CE(EMS)	EN61000-4-2 (ESD), EN61000-4-3 (RS),	*Future Release **Optional						

ORDERING INFORMATION

- ICES-1280-TF-AK**
 8 10/100TX +2 10/100/1000TX Industrial Flat Switch; Input Power 48VDC ~ 54 VDC ; Include of 30W power ; -20°C~60°C;
- ICES-1280-TF-A**
 8 10/100TX +2 10/100/1000TX w/8 Industrial Flat Switch; Input Power 48VDC ~ 54 VDC ; -20°C~60°C;
- ICES-1280-TF-AE**
 8 10/100TX +2 10/100/1000TX w/8 Industrial Flat Switch; Input Power 48VDC ~ 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.