

# ICPS-1280-TF-AK-120

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

供電型工業平坦型乙太網路交換機

- 符合 IEEE 802.3at+ PoE 電力線供電標準，單埠輸出高達 30W
- 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 -20°C ~ 60°C
- 符合 IP-30 強度保護
- 寬電壓輸入設計 48VDC ~ 54VDC
- 適用環境：安防領域、戶外監控、宅內箱



## OVERVIEW

萬東科技 ICPS-1280-TF-AK 提供 8 埠 10/100M 高速乙太網路端口，包含 2 port 10/100/1000M RJ-45 埠，其中 1~8 埠支持 POE (power over Ethernet) 符合 IEEE802.3 at /IEEE 802.3 at+，最高輸出每埠 30W，可應用於多數 PTZ IP-cam 以及 Speed Dome 需求。

ICPS-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。同時支援機架式、滑軌式(Din-Rail) 或壁掛式安裝，方便於安裝施工。

ICPS-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。

ICPS-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。

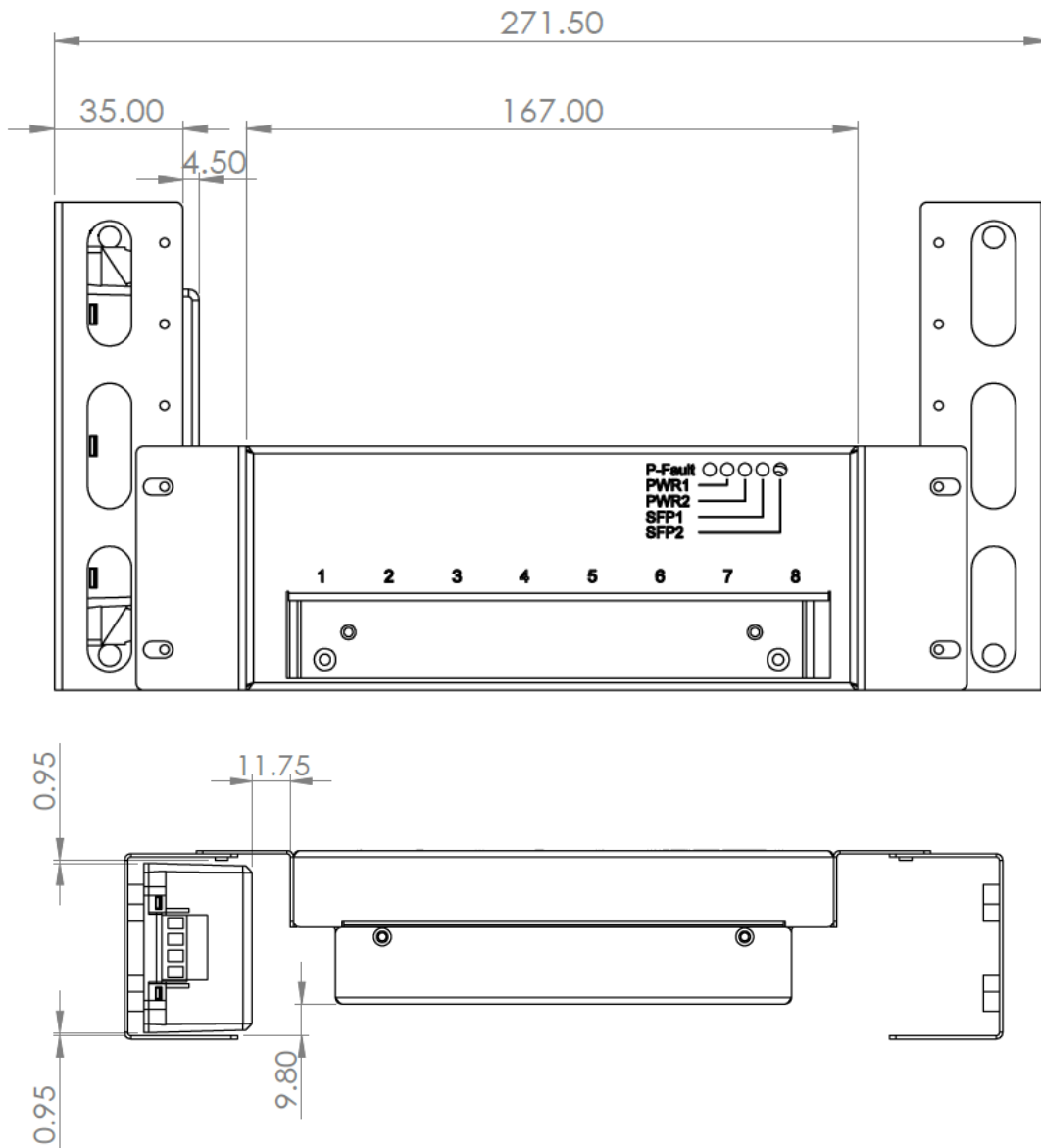
ICPS-1280-TF-AK 可與戶外無線接入點(WIFI-AP)及 Speed Dome/IP-CAM 等設備連接，並可應用於安防科技、戶外監控、宅內箱應用等環境。

## FEATURES & BENEFITS

- 系統介面 / 效能
  - RJ-45 埠支援 Auto MDI/MDI-X 功能
  - 嵌入式 8 埠 PoE 供電模組
  - 存儲轉發系統架構
  - 背板頻寬 (Switching Fabric): 5.6Gbps
  - 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
- 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

**ICPS-1280-TF-A**



**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 IEEE 802.3af PoE specification IEEE 802.3At+ PoE specification	Processing	Store-and-Forward
Switch Properties	Back-plane (Switching Fabric): 5.6Gbps Packet throughput ability (Full-Duplex): 1488100pps @64bytes	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)
Transfer Rate	14,881pps for Ethernet port 148,810pps for Fast Ethernet port 148,810pps for Gigabit Ethernet port	PoE pin Assignment	RJ-45 port #1 - #8 support IEEE 802.3at End-point; Alternative A mode. Positive (VCC+): RJ-45 pin 1,2 Negative (VCC-) : RJ-45 pin 3,6  Data (1,2,3,6)
Connectors	10/100TX: 8 x RJ-45 with auto MDI/MDI-X function Support 8 PoE injector function 100M/1000M rj-45: 2 x Giga Copper	Protocol	CSMA/CD
MAC Address	16K MAC addresses	Case Dimension	Metal case, IP-30; 167mm(W)x67mm(D)x48mm(H)
Packet Buffer	4M bits	Weight	480g

LED	<b>Power Indicator</b> Green LED x 2 <b>10/100Base-T(X) RJ45 port indicator :</b> Green LED for port Link/Act x 8 <b>Giga RJ45 port indicator :</b> Green LED x 2 <b>POE indicator :</b> Green LED x 8	Temperature	
		FCC(EMI)	FCC Part15,SubpartB ,Class A
Power Supply	48~54VDC, Redundant power with polarity reverse protect function and removable terminal block	CE(EMi)	EN61000-6-4(EMI)
		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)
PoE Power	POE power per port 30watts @54V Total power 200Watts @ 48VDC input (適用-TF-AK ,-TF-AE 系列) Maximum total power 240Watts @ 54VDC input (適用-TF-AK ,-TF-AE 系列)	Stability Testing	IEC60068-2-31 (Drop Off) IEC60068-2-27 (Shock) IEC60068-2-6 (Vibration)
Consumption	5.76 Watts (Full load: Only Ethernet)	Warranty	3 years
Overload Current	Present		
Reserve Polarity	Present		
Operating Humidity	5% to 95% Non-condensing		
Operating Temperature	-20°C~60°C		
Storage	-40°C~85°C / -40°F~185°F		

\*Future Release  
\*\*Optional

## ORDERING INFORMATION

- ICPS-1280-TF-AK**  
 8 10/100TX +2 10/100/1000TX w/8 PoE Injector Industrial Flat Switch; Input Power 48VDC ~ 54 VDC ; Include of 60W power ; -20°C~60°C;
- ICPS-1280-TF-AK-120**  
 8 10/100TX +2 10/100/1000TX w/8 PoE Injector Industrial Flat Switch; Input Power 48VDC ~ 54 VDC ; Include of 120W industrial power ; -20°C~60°C;
- ICPS-1280-TF-AK-240**  
 8 10/100TX +2 10/100/1000TX w/8 PoE Injector Industrial Flat Switch; Input Power 48VDC ~ 54 VDC ; Include of 240W industrial power ; -

## OPTIONAL ACCESSORIES

### Mini GBIC (SFP)

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