

SmartE 系列

強固級網管型 5 - 16 埠 Fast/Gigabit 乙太網路交換器



產品亮點

+ 適用於不通風和惡劣環境的強固等級

-40 至 75°C (-40 至 167°F) 寬工作溫度範圍
無風扇設計
高等級抗衝擊、防震動與抗電磁波干擾

+ 安規

UL 61010 安全認證

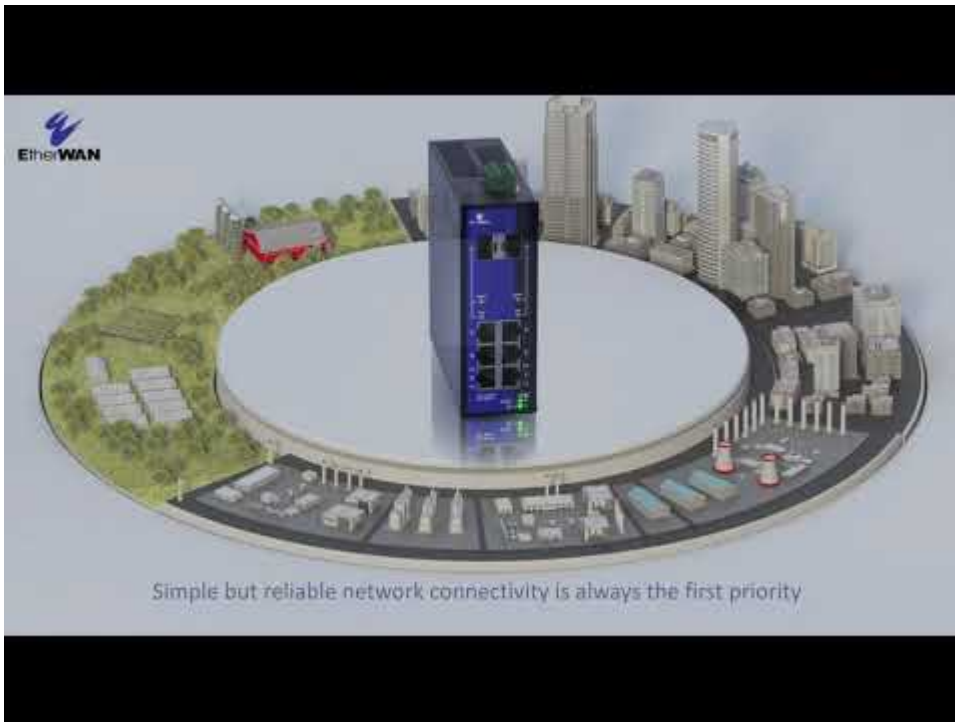
+ 支援多種管理選項

網頁管理界面 (HTTP/HTTPS)
使用者權限管理 (角色類型)
SNMP v1/v2/v3
命令列界面 (CLI, Telnet, SSH)

+ 支援

提供技術支援
免費韌體升級

介紹影片



產品介紹

SmartE 系列是強固級第 2 層網管型乙太網交換器。SmartE 提供兩種安裝方法，DIN 導軌式安裝和壁掛式安裝，並採用工業級無風扇設計，使 SmartE 能夠在寬範圍的操作溫度（攝氏 -40 至 75 度）內提供工業等級穩定度，並且可靠地運行。透過第 2 層的網路管理功能，SmartE 非常適合用於工業邊緣應用端的網路連接，即便在惡劣的工業環境中也能順利運作。SmartE 支援全快速乙太網路(Fast Ethernet)連接埠或全Gigabit 的乙太網路連接埠，其提供 5 埠、8 埠或 16 埠的 RJ-45 銅線網路埠，以及最多 2 個 SFP Gigabit 光纖連接埠，可用於長距離網路傳輸。SmartE 系列專為關鍵工業應用需求所設計，是可靠的網路管理解決方案。

EtherWAN — "When Connectivity is Crucial."

軟體功能

+ Interface

CLI, Telnet, Web GUI, SSH

+ Management

Firmware upgrade
Configuration backup
RMON (Remote Monitoring, SNMP only)
Port mirroring
SNTP (Simple Network Time Protocol) synchronization
LLDP (Link Layer Discovery Protocol)
IPv4
SNMP v1/v2c/v3
DHCP Option 82, DHCP Server/Client

+ Security

MAC Address filtering
Enable/Disable port
Storm Control
System Logging
IEEE 802.1x LAN Access Control
IEEE 802.1x RADIUS Authentication
Complex password support
SSH for CLI and Telnet security
SSL and HTTPS for Web security

+ Quality of Service (QoS)

Priority Queues: 8 queues per port
Traffic classification based on IEEE 802.1p CoS (Cost of Service), DSCP (Differentiated Services Code Point), WRR (Weighted Round Robin) and strict mode

+ Layer 2 Features

Auto-negotiation for port speed and duplex mode
Flow Control
IEEE 802.3x full duplex mode
Back-pressure half duplex mode

Redundant Protocols

IEEE 802.1w RSTP
Large Tree Support
Fast Ring Detection

VLANs

IEEE 802.1Q Tag VLANs

Link Aggregation

Static Trunk (4 groups)
IEEE 802.3ad LACP

IGMP Snooping v1/v2

+ Software Properties and Performance

Total VLAN Entries

32

Jumbo Frame Size

9K bytes (Gigabit Ethernet Models only)

硬體規格

+ Interface

Ethernet

10/100BASE-T(X): 5, 6, 8, 14, or 16 ports

100BASE SFP: 0, or 2 ports

10/100/1000BASE-T(X): 6, 8, 12, or 16 ports

100/1000BASE SFP: 0, 2, or 4 ports

Alarm Contact

1 x Digital output, current capacity

Typ. 100mA, Max. 0.7A (1minute)

LED Indicators

Per Unit: Power 1 (Green), Power 2 (Green), Alarm (Red)

Per Port: Link/Activity (Green; Orange: when SFP link at Combo port), Speed (Off: 10Mbps; Green: 100Mbps; Orange: 1000Mbps)

Mode Button

Exiting reset mode without changes

Resetting to the factory settings

Operating with a fixed IP address

Resetting the IP configuration

Operating in unmanaged mode

+ Technology

Standards

IEEE 802.3 10BASE-T

IEEE 802.3u 100BASE-TX/100BASE-FX

IEEE 802.3ab 1000BASE-T

IEEE 802.3z 1000BASE-SX/1000BASE-LX

IEEE 802.3x Full duplex and flow control

IEEE 802.3ad LACP

IEEE 802.1p QoS

IEEE 802.1Q Tag VLANs

IEEE 802.1w RSTP

IEEE 802.1ab LLDP

IEEE 802.1x Port-based Network Access Control

Forward/Filtering Rate

14,880pps for 10Mbps

148,880pps for 100Mbps

1,488,000pps for 1000Mbps

Processing Type

Store-and-Forward

Auto-Negotiation

Half-duplex back-pressure full-duplex flow control

Auto MDI/MDIX

System Memory

4M bits

Flash Storage
8K MAC

+ Power

Input
12-57VDC Redundant

Power Consumption
8 ports: 8.55W Max
16 ports: 11.4W Max

Protection
Reverse Polarity Protection

+ Physical

Casing Material
Metal

IP Rating
IP30

Dimensions
5, 8 ports: 45 x 125.5 x 130mm (W x D x H)
16 ports: 85 x 125.5 x 130mm (W x D x H)

Weight
8 ports, 388g
16 ports, 676g

Installation Type
DIN-Rail
Panel mounting (Optional)

+ Environmental

Operating Temp.
-40 to 75°C (-40 to 167°F)

Storage Temp.
-40 to 85°C (-40 to 185°F)

Relative Humidity
10% to 95% (non-condensing)

MTBF
8 ports: 2,937,277.25 hours
16 ports: 2,255,206 hours

+ Regulatory

ISO
Manufactured in ISO-9001 facility

EMI
FCC Part 15B Class A
VCCI Class A
ICES-003
EN 61000-6-4

EMS
EN 61000-3-2
EN 61000-3-3
EN 61000-6-2
EN 61000-4-2 (ESD)
EN 61000-4-3 (Radiated RFI)
EN 61000-4-4 (Burst)
EN 61000-4-5 (Surge)
EN 61000-4-6 (Induced RFI)
EN 61000-4-8 (Magnetic Field)

Safety
UL 61010

Vibration
IEC 60068-2-6

Shock
IEC 60068-2-27

Free Fall
FED STD 101C Method 5007.1

+ Warranty

Length
3 Years

Details
www.etherwan.com/support/warranty-policy

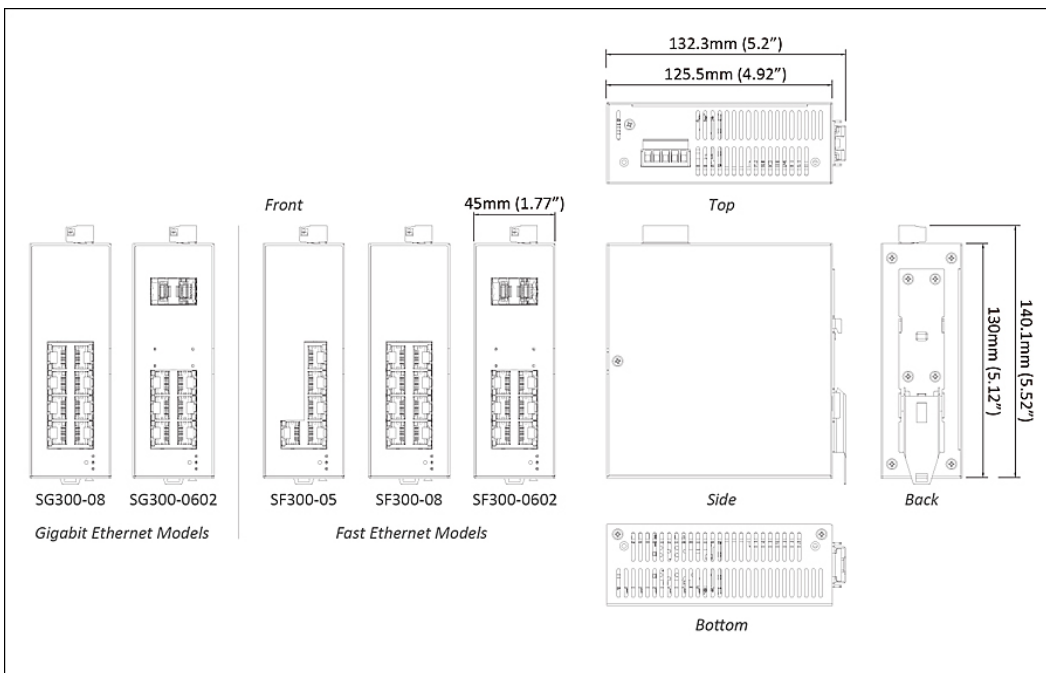
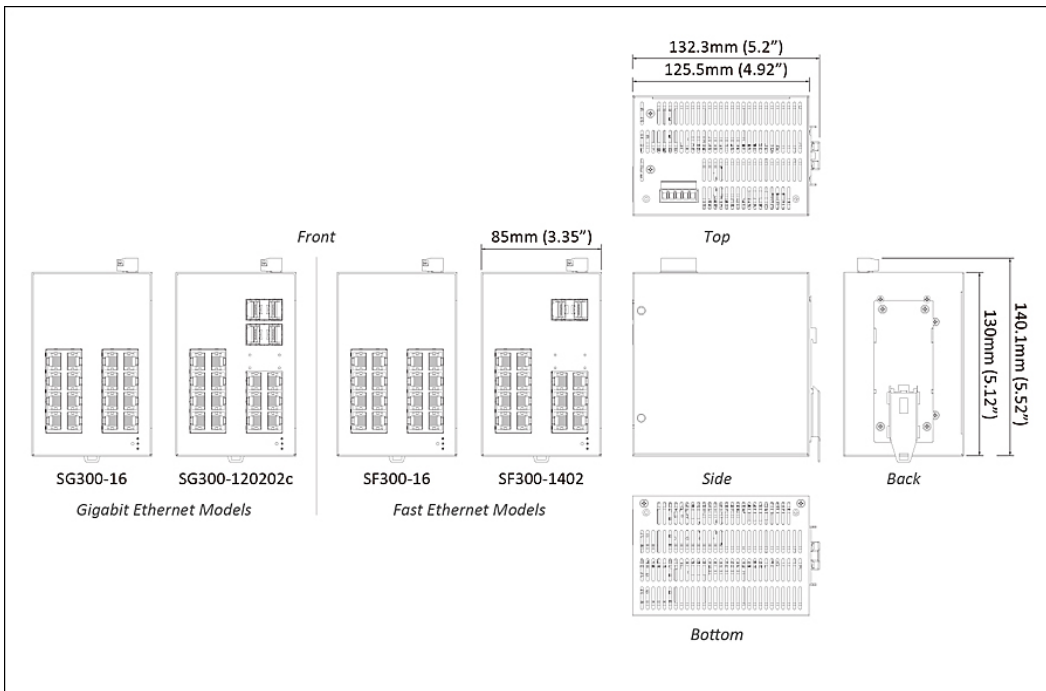
+ What's Included

Device
Ethernet switch

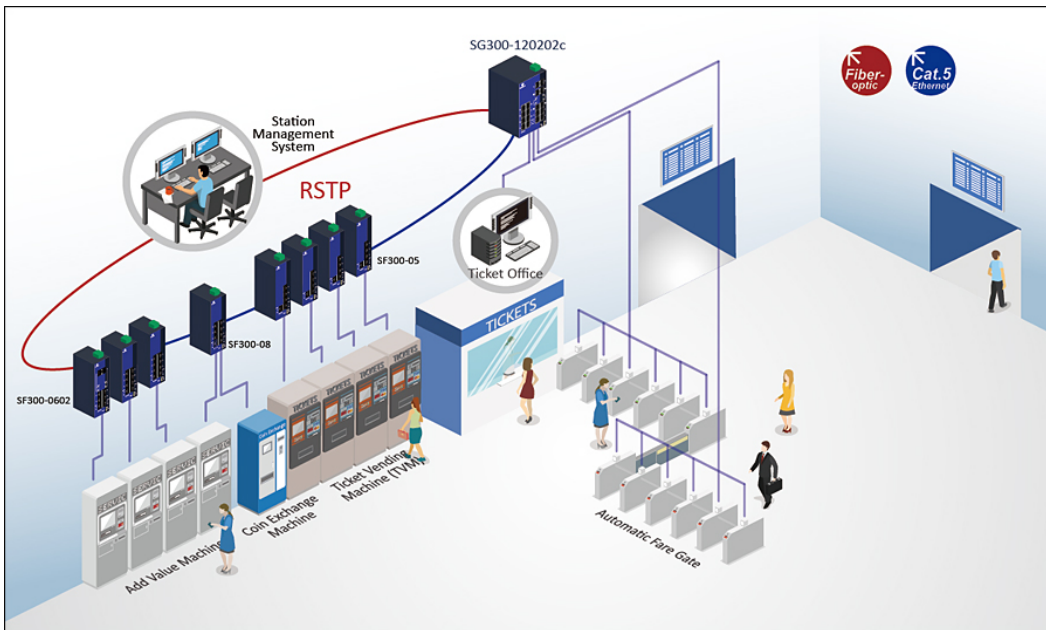
Installation
DIN-Rail bracket, screws

Documentation
Quick install guide

產品尺寸圖



應用圖



訂購型號

+ Model

Fast Ethernet 型號

SF300-05	5埠 10/100BASE-T(X)
SF300-08	8埠 10/100BASE-T(X)
SF300-0602	6埠 10/100BASE-T(X) + 2埠 100BASE SFP
SF300-16	16埠 10/100BASE-T(X)
SF300-1402	14埠 10/100BASE-T(X) + 2埠 100BASE SFP

Gigabit Ethernet Models

SG300-08	8埠 10/100/1000BASE-T(X)
SG300-0602	6埠 10/100/1000BASE-T(X) + 2埠 100/1000BASE SFP
SG300-16	16埠 10/100/1000BASE-T(X)
SG300-120202c	12埠 10/100/1000BASE-T(X) + 2埠 100/1000BASE SFP Combo + 2埠 100/1000BASE SFP

+ 配件選購

強固級 100BASE SFP 模組
 強固級 Gigabit SFP 模組
 安裝配件

www.etherwan.com/tw/products/sfp-fiber-transceiver

www.etherwan.com/tw/products/sfp-fiber-transceiver

www.etherwan.com/tw/products/mounting-kits

» KP-AA96-480

» KP-S300



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