

ED3575

強固級網管型 6埠10/100BASE-TX +2埠Gigabit combo SFP 乙太網路交換器 +2埠雙絞線 乙太網路延伸器



產品介紹

益網科技的 ED3575 是一款強化管理型乙太網路交換器和延伸器的組合。ED3575 配備乙太網路、SFP 和銅纜延伸器連接埠，弭平了現代和傳統基礎設施之間的差距，為城市基礎設施、交通、安全和其他重要的網路串聯領域提供了彈性和多樣性。

EtherWAN — "When Connectivity is Crucial."

產品亮點

+ 功能多樣性

具有乙太網路交換器和乙太網路延伸器雙重功能的網路管理平台
可用於光纖連接的雙 SFP 連接埠
雙 VDSL2 連接埠，可使用傳統銅軸電纜將資料延伸傳輸至 2.2 公里

+ 管理/安全功能

可控制之連接埠
透過 RADIUS 和 TACACS+ 進行以 802.1x 連接埠為 Base 的網路存取控制和遠端身分驗證
使用 eVue™ 和 eLite™ 配置和監控

+ 適用於非通風和惡劣環境的強固等級

從 -40 至 75°C (-40 至 167°F) 的寬工作溫度範圍
無風扇運作
高抗衝擊性、抗熱衝擊性和抗電噪聲性

+ 支援

優質技術支援
免費韌體升級
有限終身保固

產品特色

+ Interface

CLI, Telnet, Web GUI

+ Management

Firmware upgrade
Configuration backup
DHCP Server/Client
RMON (Remote Monitoring): group 1, 2, 3, 9
Port Mirroring
NTP (Network Time Protocol) synchronization
LLDP (Link Layer Discovery Protocol)
IPv4/IPv6
SNMP v1/v2c/v3

+ Security

MAC Address filtering
Enable/Disable port
Storm control
System logging
IEEE 802.1x LAN Access control
Remote authentication through RADIUS and TACACS+
Complex password support
Multi-user login and privileged access management
SSH for CLI and Telnet security
SSL and HTTPS for web security
ACL (Access Control List, up to 4096 entries)

+ 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
Rate Limiting (Ingress/Egress)

+ Layer 2 Features

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

Redundant Protocols

IEEE 802.1D STP
IEEE 802.1w RSTP
IEEE 802.1s MSTP
EtherWAN's Alpha-Ring network fault recovery

VLANs

IEEE 802.1Q Tag VLANs
GVRP
GMRP

Link Aggregation

Static Trunk (4 groups)
IEEE 802.3ad LACP

IGMP Snooping v1/v2/v3

+ Switch Properties and Performance

Switching Fabric

5.6Gbps

Total VLAN Entries

256 (4096 VID)

MAC Table Size

8K

Packet Buffer Memory

2M bits

產品規格

+ Interface

Ethernet

6 x 10/100BASE-TX

2 x 10/100/1000BASE-T and 100/1000BASE-X SFP
Combo

Extender Ports

2 x RJ11 and Terminal Block Combo

Cable: 24AWG, 0.5mm diameter, 1 pair

Console

1 x DB9

VDSL Operation

DIP Switch: Local or Remote

Alarm Contact

1 x Relay output, current capacity 1A/24VDC

LED Indicators

Per Unit: Power 1, Power 2, Alarm

Per RJ45 Port: Link/Activity

Per Extender Port: Link

+ Physical

Casing Material

Aluminum

IP Rating

IP30

Dimensions

73 x 125 x 145mm (W x D x H)

2.87" x 4.92" x 5.7"

Weight

1.25Kg (2.76lbs)

Installation Type

DIN-rail (Top Hat Type 35mm)

+ Environmental

Operating Temp.

-40 to 75°C (-40 to 167°F)

Storage Temp.

-45 to 85°C (-49 to 185°F)

Relative Humidity

5% to 95% (non-condensing)

+ Technology

Standards

IEEE 802.3 10BASE-T
IEEE 802.3u 100BASE-TX/100BASE-FX
IEEE 802.3ad link aggregation control
IEEE 802.3z 1000BASE-SX/1000BASE-LX
IEEE 802.3x full duplex and flow control
IEEE 802.1D STP
IEEE 802.1p QoS
IEEE 802.1Q Tag VLANs
IEEE 802.1s MSTP
IEEE 802.1w RSTP
IEEE 802.1x PNAC
IEEE 802.1ab LLDP

Forward/Filtering Rate

14,800pps for 10Mbps
148,810pps for 100Mbps
1,488,100pps for 1000Mbps

Processing Type

Store-and-forward
Auto-negotiation
Half-duplex back-pressure and full-duplex flow control
Auto MDI/MDIX

+ Power

Input

12-48VDC Redundant (Terminal block)

Power Consumption

15.2W Max

Protection

Reverse Polarity Protection
Over Current Protection

+ Regulatory

ISO

Manufactured in ISO-9001 facility

EMI

FCC Part 15B Class A
VCCI Class A
EN 55032
EN 61000-6-4
EN 61000-3-2
EN 61000-3-3

EMS

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

Industrial

NEMA-TS2

+ Warranty

Length

Limited Lifetime

Details

www.etherwan.com/support/warranty-policy

+ What's Included

Device

Ethernet Switch/Extender

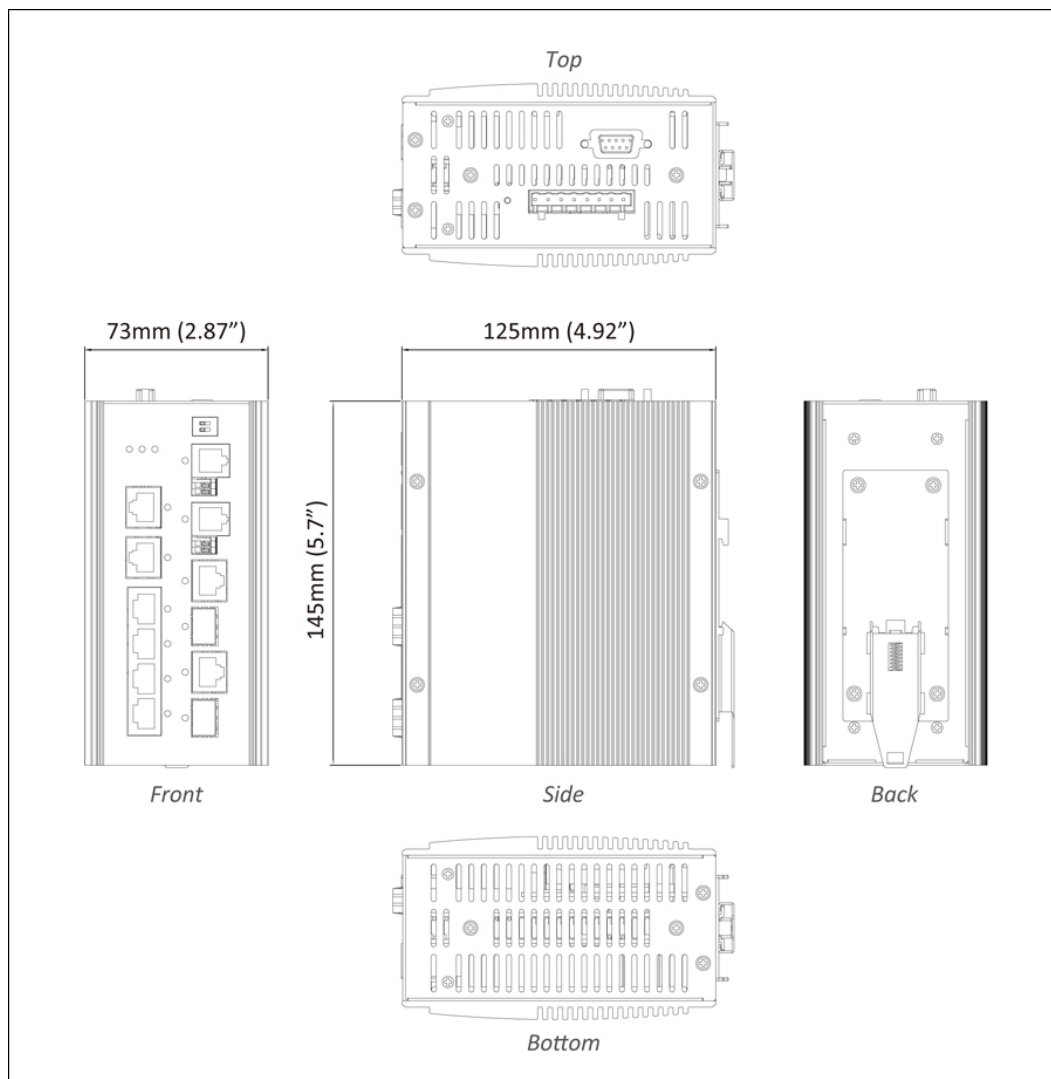
Cables

1 Console Cable

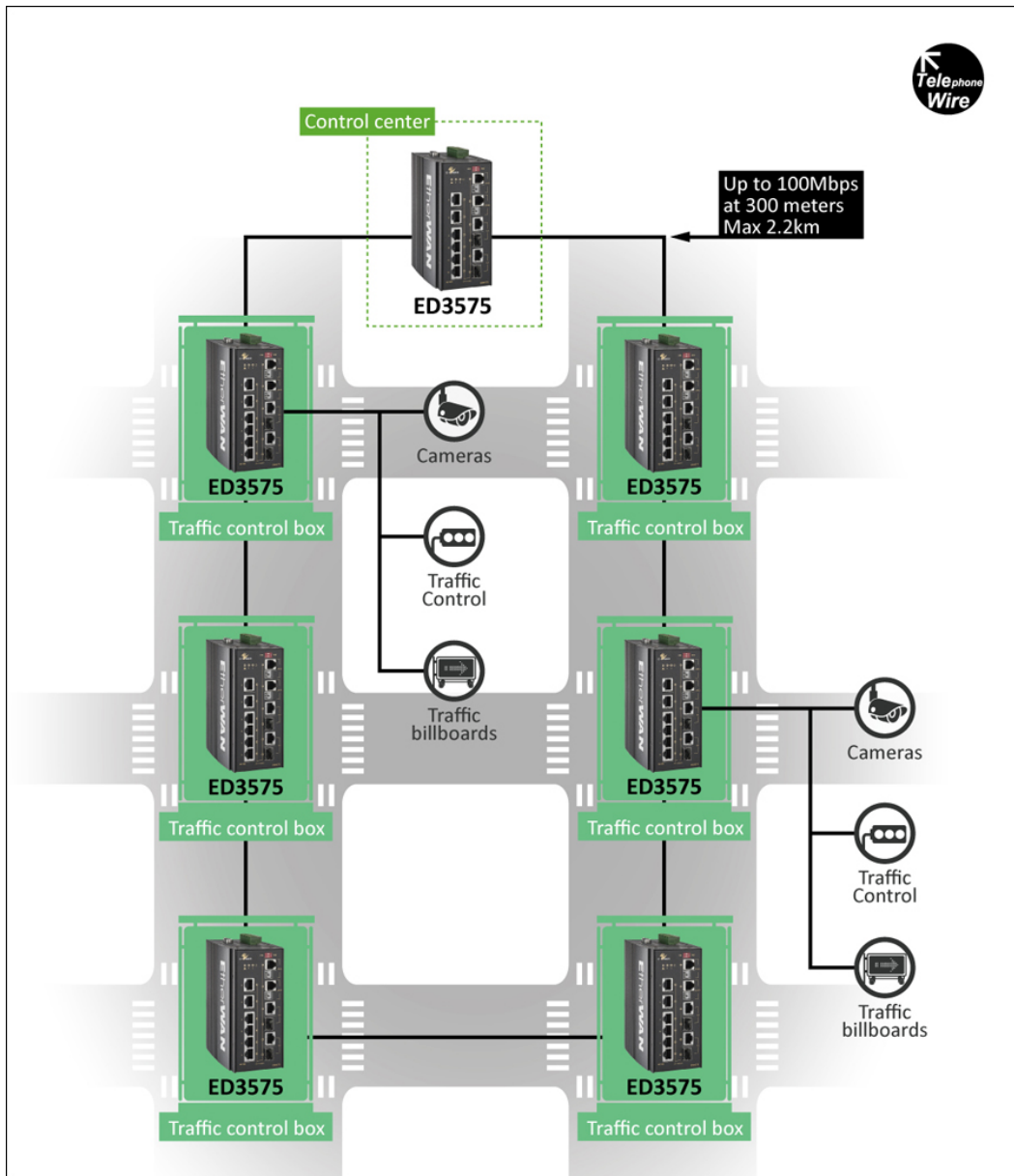
Documentation

Quick install guide

產品尺寸圖



應用圖



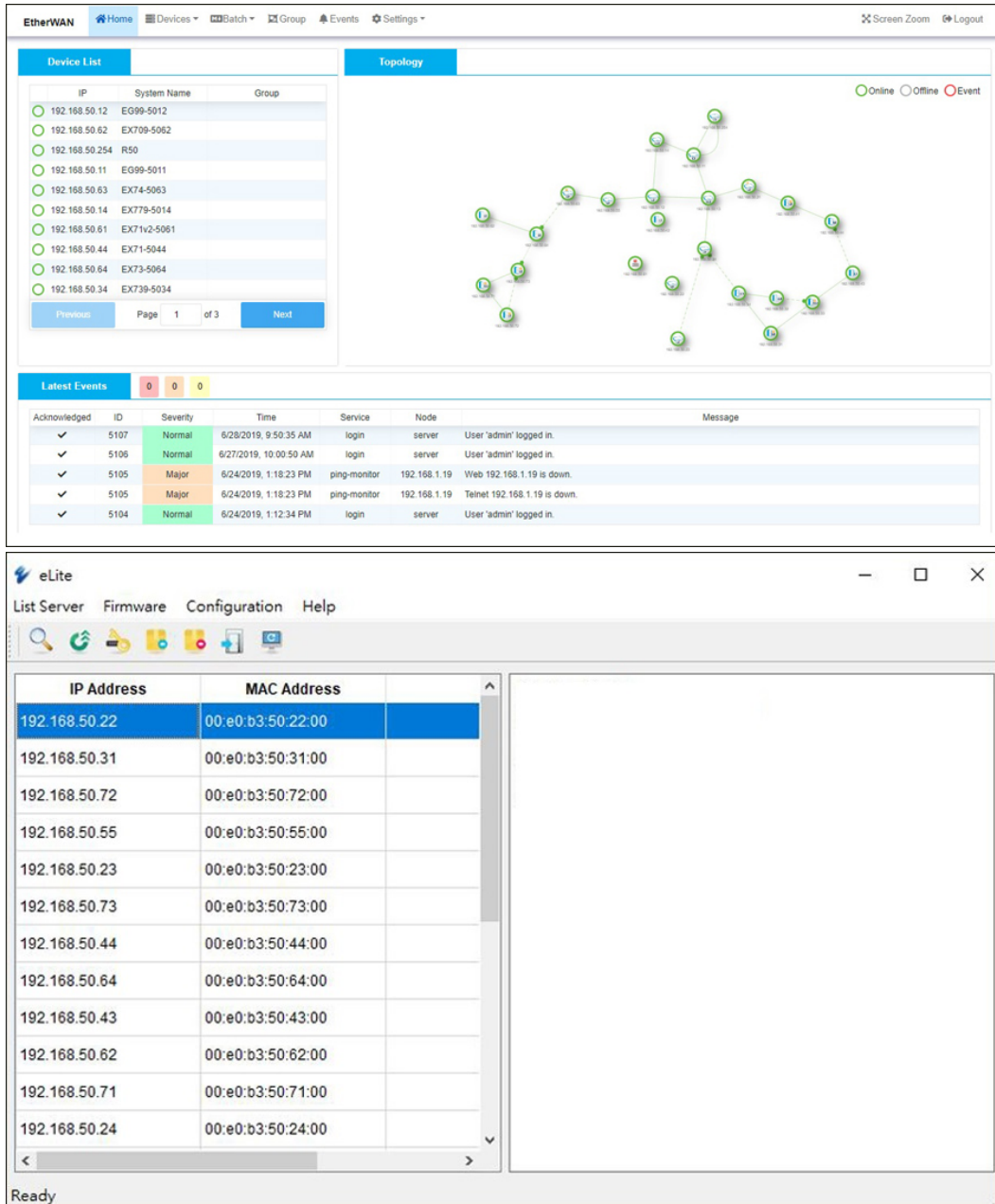
管理軟體

Network Management

[eVue™ Network Configuration and Monitoring Tool](#)

Network Discovery

[eLite™ Network Discovery and IP Configuration Tool](#)



The image displays two screenshots of network management software. The top screenshot shows the EtherWAN interface, which includes a 'Device List' table, a 'Topology' diagram, and a 'Latest Events' log. The bottom screenshot shows the eLite interface, which features a table of IP addresses and MAC addresses, and a 'Ready' status at the bottom.

EtherWAN Interface:

- Device List:**

IP	System Name	Group
192.168.50.12	EG99-5012	
192.168.50.62	EX709-5062	
192.168.50.254	R50	
192.168.50.11	EG99-5011	
192.168.50.63	EX74-5063	
192.168.50.14	EX779-5014	
192.168.50.61	EX71v2-5061	
192.168.50.44	EX71-5044	
192.168.50.64	EX73-5064	
192.168.50.34	EX739-5034	
- Topology:** A network diagram showing various devices connected in a mesh-like structure. Legend: Online (green circle), Offline (grey circle), Event (red circle).
- Latest Events:**

Acknowledged	ID	Severity	Time	Service	Node	Message
✓	5107	Normal	6/28/2019, 9:50:35 AM	login	server	User 'admin' logged in.
✓	5106	Normal	6/27/2019, 10:00:50 AM	login	server	User 'admin' logged in.
✓	5105	Major	6/24/2019, 1:18:23 PM	ping-monitor	192.168.1.19	Web 192.168.1.19 is down.
✓	5105	Major	6/24/2019, 1:18:23 PM	ping-monitor	192.168.1.19	Telnet 192.168.1.19 is down.
✓	5104	Normal	6/24/2019, 1:12:34 PM	login	server	User 'admin' logged in.

eLite Interface:

- Menu:** List Server, Firmware, Configuration, Help.
- Table:**

IP Address	MAC Address
192.168.50.22	00:e0:b3:50:22:00
192.168.50.31	00:e0:b3:50:31:00
192.168.50.72	00:e0:b3:50:72:00
192.168.50.55	00:e0:b3:50:55:00
192.168.50.23	00:e0:b3:50:23:00
192.168.50.73	00:e0:b3:50:73:00
192.168.50.44	00:e0:b3:50:44:00
192.168.50.64	00:e0:b3:50:64:00
192.168.50.43	00:e0:b3:50:43:00
192.168.50.62	00:e0:b3:50:62:00
192.168.50.71	00:e0:b3:50:71:00
192.168.50.24	00:e0:b3:50:24:00
- Status:** Ready

訂購型號

+ Model

ED3575-622	6-port 10/100BASE-TX + 2-port 10/100/1000BASE-T / 100/1000BASE SFP Combo + 2-port VDSL2
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+ Accessories

Hardened 100BASE SFP Modules	www.etherwan.com/products/sfp-fiber-transceiver
Hardened Gigabit SFP Modules	www.etherwan.com/products/sfp-fiber-transceiver
DIN-Rail Power Supplies	www.etherwan.com/products/din-rail-power-supply

