

## 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，彌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

## + Warranty

### Length

Limited Lifetime

### Details

[www.etherwan.com/support/warranty-policy](http://www.etherwan.com/support/warranty-policy)

## + 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

## + What's Included

### Device

Ethernet Switch/Extender

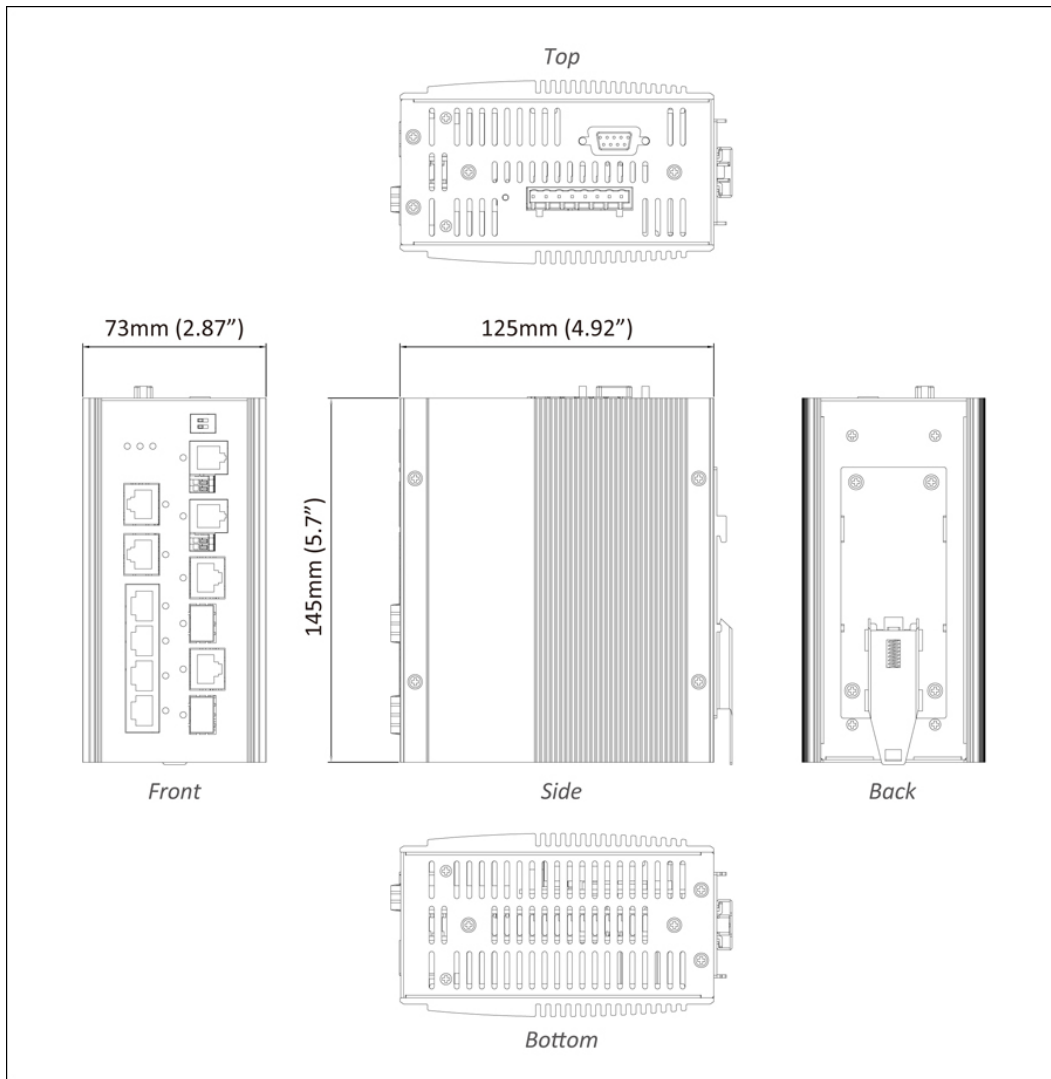
### Cables

1 Console Cable

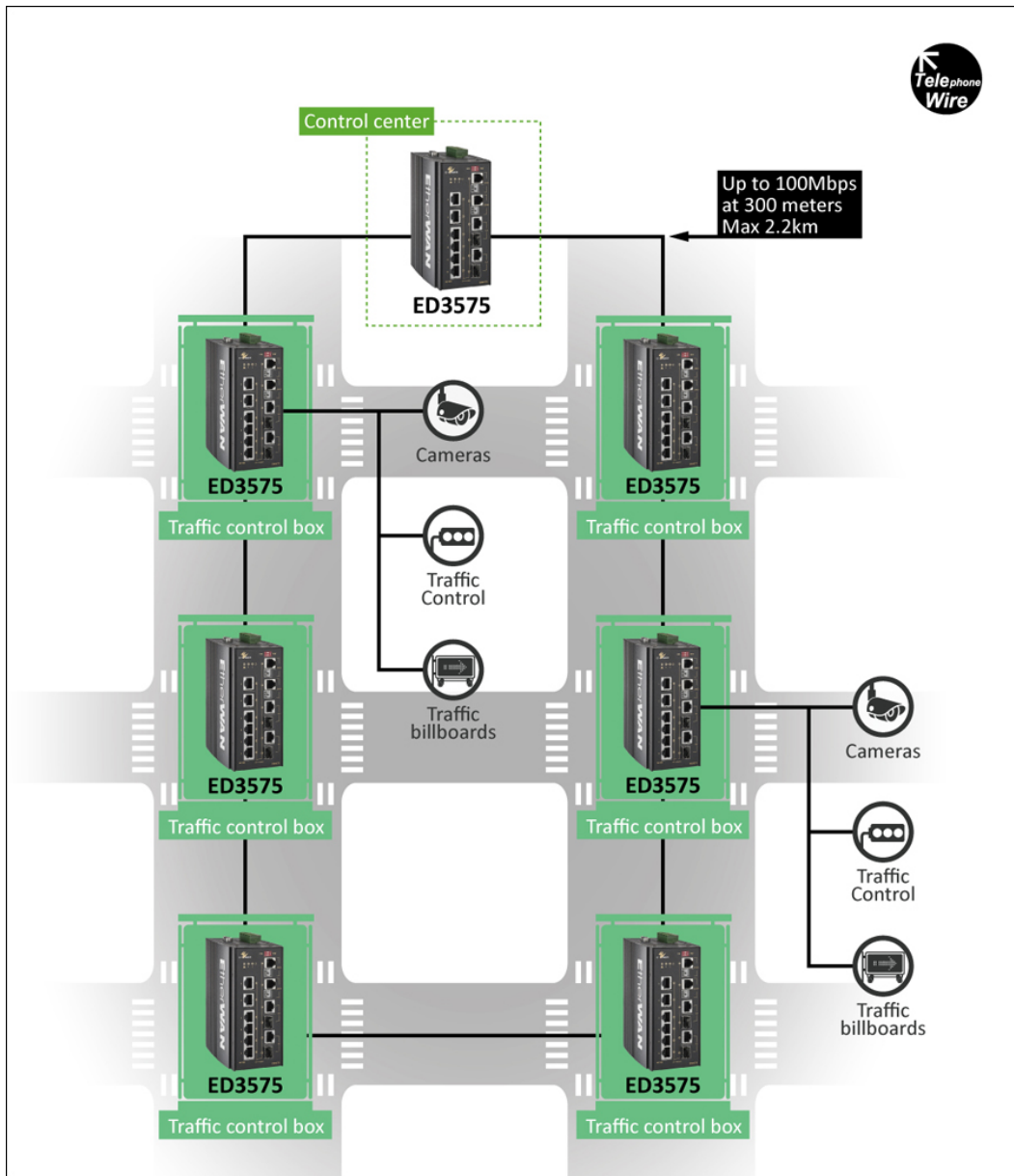
### Documentation

Quick install guide

# 產品尺寸圖



# 應用圖



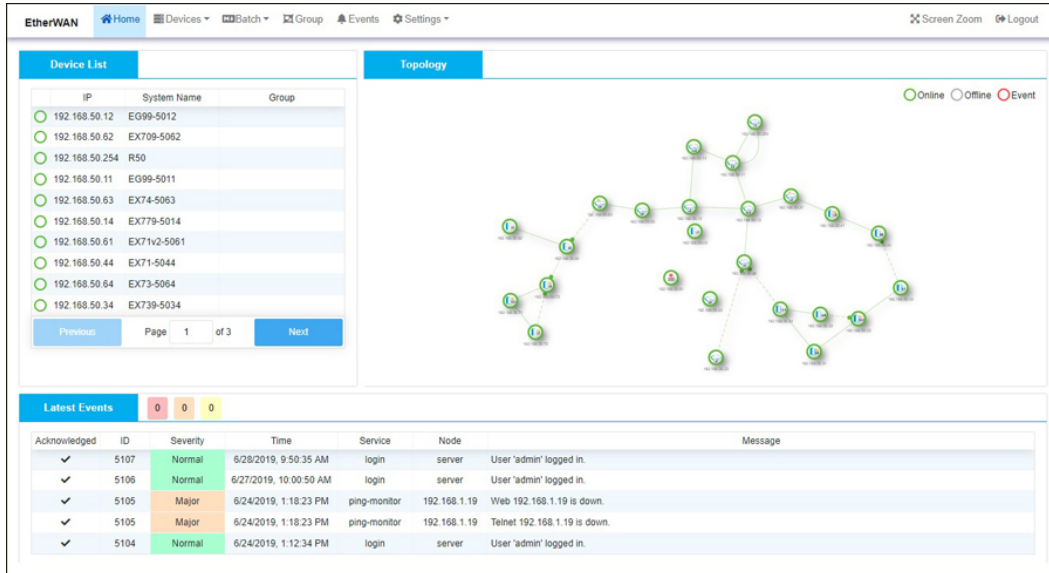
# 管理軟體

Network Management

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

Network Discovery

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



**Device List**

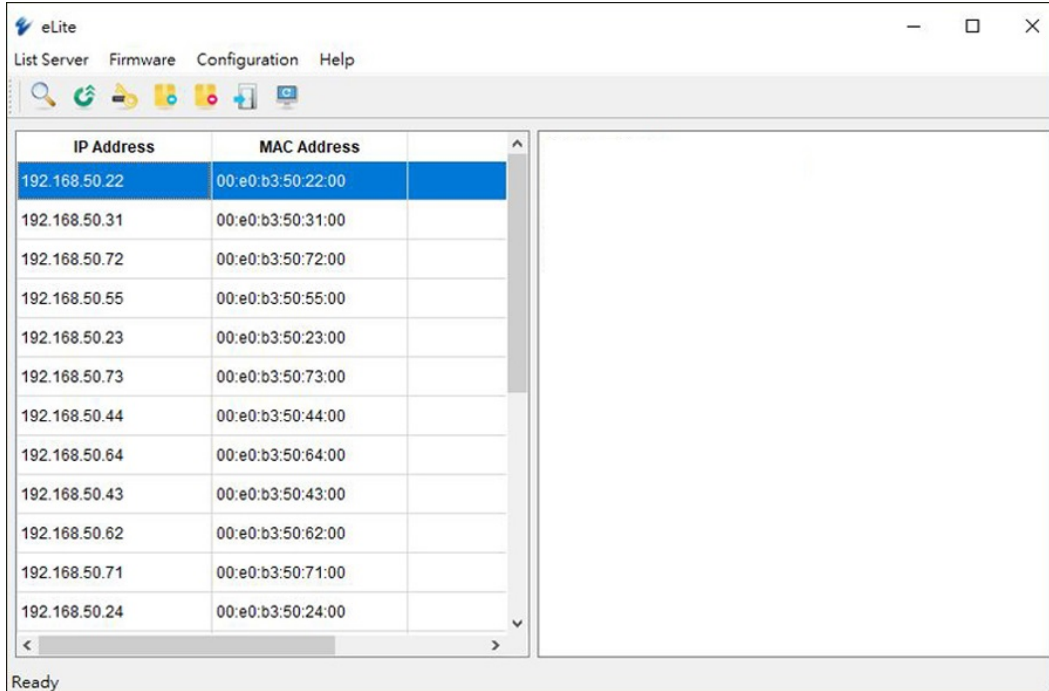
IP	System Name	Group
192.168.50.12	EG99-5012	
192.168.50.62	EX709-5062	
192.168.50.254	R50	
192.168.50.11	EG99-5011	
192.168.50.63	EX74-5063	
192.168.50.14	EX779-5014	
192.168.50.61	EX71v2-5061	
192.168.50.44	EX71-5044	
192.168.50.64	EX73-5064	
192.168.50.34	EX739-5034	

**Topology**

Legend: ● Online ○ Offline ○ Event

**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	Teinet 192.168.1.19 is down.
✓	5104	Normal	6/24/2019, 1:12:34 PM	login	server	User 'admin' logged in.



**eLite**

List Server Firmware Configuration Help

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

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

### + Accessories

Hardened 100BASE SFP Modules	<a href="http://www.etherwan.com/products/sfp-fiber-transceiver">www.etherwan.com/products/sfp-fiber-transceiver</a>
Hardened Gigabit SFP Modules	<a href="http://www.etherwan.com/products/sfp-fiber-transceiver">www.etherwan.com/products/sfp-fiber-transceiver</a>
DIN-Rail Power Supplies	<a href="http://www.etherwan.com/products/din-rail-power-supply">www.etherwan.com/products/din-rail-power-supply</a>

