EX24402

網管型 16埠10/100BASE PoE +2埠Gigabit SFP combo 乙太網路交換器



產品介紹

本產品自2020年8月28日起停產。 請點選 此處 尋找替代產品。

EX24402系列為網管型、1U機架式安裝設計，內建16個10/100BASE-T PoE連接埠及2個100/1000 SFP combo光纖埠可與核心網路串連。PoE/PSE埠符合IEEE 802.3af供電標準，EX24402系列PoE網路埠，每埠最高可支援15.4W，總供電瓦數為195W，可廣泛應用於許多終端受電(PD)設備，例如IP攝影機、無線基地台、IP電話等設備。

EX24402系列內搭配益網獨家技術Alpha-Ring環狀網路備援機制，可在網路發生斷線時迅速啟動備援機制，於小於15毫秒內便可快速恢復連線通訊。具備完整管理功能，包含port security、IGMP snooping、port-based VLAN、GARP協定、link aggregation；使用者可透過網頁瀏覽telnet、SSH、SNMP、RMON、TFTP和RS-232 console管理介面，使複雜的專案規劃事半功倍。

EtherWAN — "When Connectivity is Crucial."

產品亮點

PoE連接

» 1-16埠支援IEEE 802.3af PoE供電標準
» 支援兩個Gigabit SFP combo埠

智慧化管理功能

» 完整的網路管理效能: QoS、VLAN和PoE scheduling，支援益網獨家技術Alpha-Ring環狀網路備援機制，小於15毫秒內便可快速恢復連線通訊。

遠端存取控制

» 支援IEEE 802.1x,和RADIUS

產品特色

Management

» Interface
  • CLI, Telnet and Web Browser
  • SNMP v1/v2c/v3
» Firmware and configuration upgrade and backup via TFTP
» Supports DHCP Server/Client
» RMON (Remote monitoring): group 1, 2, 3, 9
» Port mirroring: TX/RX and both
» NTP (Network Time Protocol) time synchronization
» IEEE 802.1ab LLDP (Link Layer Discovery Protocol)

Security

» MAC address filtering
» Enable/disable port
» Storm control (broadcast and multicast types)
» IEEE 802.1x LAN access control
» Remote authentication through RADIUS
» SSH for CLI and Telnet security
» SSL for web security
» Multi-level user account/password against unauthorized configuration
» System log (remote/local)

Quality of Service (QoS)

» Priority Queues: 4 queues per port
» Traffic classification based on IEEE 802.1p CoS, DSCP, WRR (Weighted round robin) and strict mode
» Rate Limiting (Ingress/Egress)

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 Protocol
  • IEEE 802.1D Spanning Tree Protocol (STP)
  • IEEE 802.1w Rapid Spanning Tree Protocol (RSTP)
  • IEEE 802.1s Multiple Spanning Tree Protocol (MSTP)

• Supports EtherWAN's Alpha-Ring topology for less than 15ms fault recovery time

Performance

» Switching Capability: 7.2Gbps
» Packet Buffer Size: 2M
» MAC Address Table: 8192

產品規格

技術

標準

• 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 802.1p QoS
• IEEE 802.1Q Tag VLANs
• IEEE 802.1w RSTP
• IEEE 802.1x Port-based Network Access Control
• IEEE 802.3af Power over Ethernet (PoE)

Forward and Filtering Rate

• 14,880pps for 10Mbps
• 148,810pps for 100Mbps
• 1,488,100pps for 1000Mbps

緩衝記憶體封包

• 2M bits

傳輸型式

• Store-and-Forward
• Auto Negotiation
• Half-duplex back-pressure and IEEE 802.3x full-duplex flow control
• Auto MDI/MDIX

MAC地址表

• 8192 MAC addresses

電源

輸入電壓

• 100-240VAC, 50/60Hz

電力功耗

• Max. 12W (without PoE)
• PoE power budget (depends on power input): 195W

PoE Technology

• Alternative B
Pins 7/8(+), 4/5(-)

PoE Power Output
• IEEE 802.3af: up to 15.4W/port

Protection
• Overload current protection
• Reverse polarity protection

機構

機殼
• 金屬材質
• IP30

尺寸
• 443.6 x 285 x 44mm (W x D x H)
(17.5" x 11.2" x 1.73")

重量
• 3.8Kg (8.38lbs.)

安裝方式
• Rack mounting

介面

乙太網路埠
• 10/100BASE-TX: 16 ports
• 100BASE-FX: N/A
• Gigabit: 2 ports

Console Port
• Port: One DB9 RS-232 port

LED 指示燈號
• Per Unit: Power 1
• Per PoE Port: PoE (Amber)
• Per Port: Link/Activity (Green), Speed (Green)

環境

工作溫度

• 0 to 45°C (32 to 113°F)

儲存溫度

• -10 to 70°C (14 to 158°F)

工作濕度

• 5% to 95% (無凝結)

通過認證

ISO

• Manufactured in an ISO 9001 facility

EMI

FCC Part 15B Class A
EN 61000-6-4
EN 55022
EN 61000-3-2
EN 61000-3-3

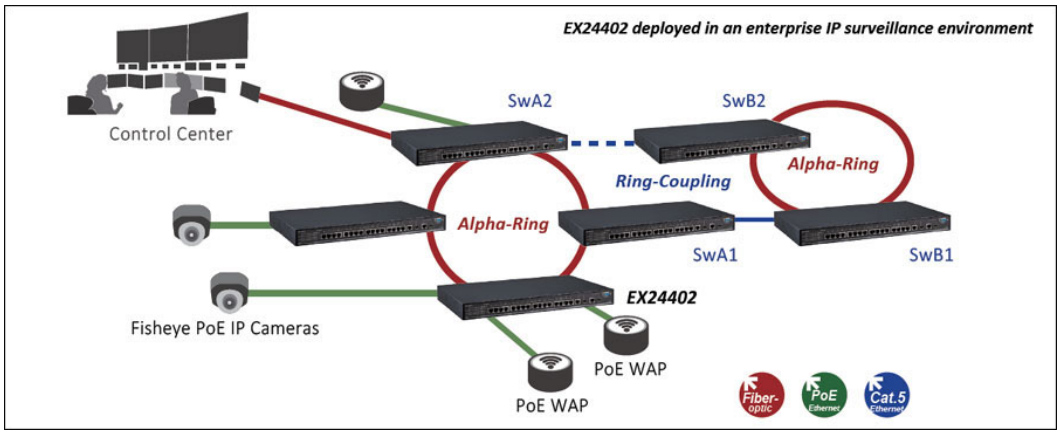
EMS

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

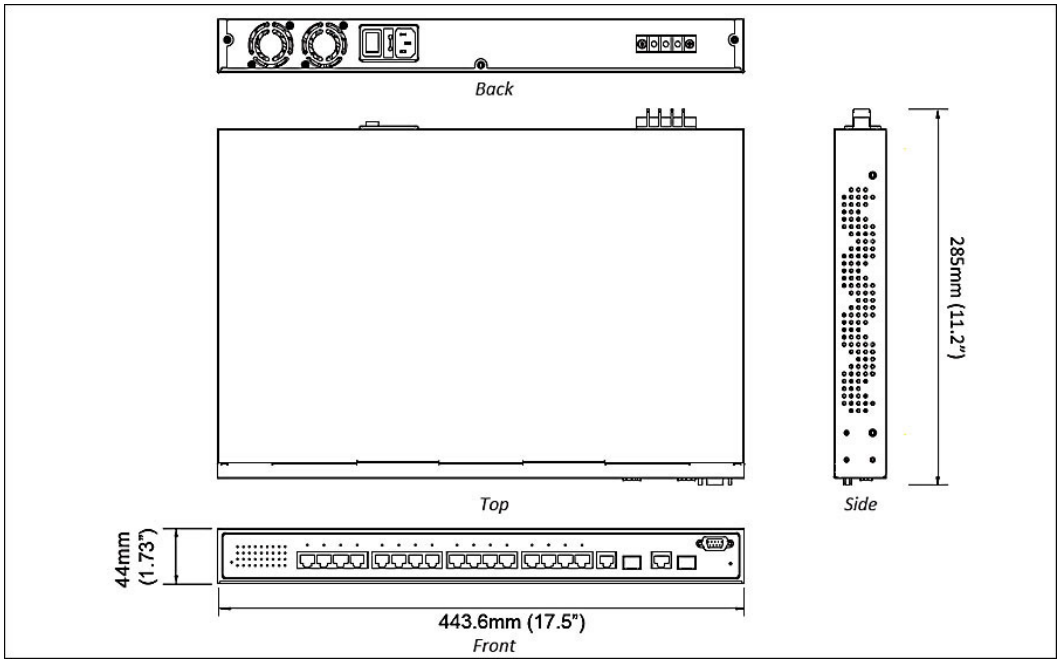
Environmental Test Compliance

IEC 60068-2-6 Fc (Vibration Resistance)
IEC 60068-2-27 Ea (Shock)
FED STD 101C Method 5007.1 (Free fall w/package)

產品應用圖


EX24402 deployed in an enterprise IP surveillance environment
Control Center
SwA2
SwB2
Alpha-Ring
Ring-Coupling
Alpha-Ring
SwA1
SwB1
EX24402
Fisheye PoE IP Cameras
PoE WAP
PoE WAP
Fiber-optic
PoE
Cat.5

產品尺寸圖


Back
Top
Side
285mm (11.2")
44mm (1.73")
443.6mm (17.5")
Front

訂購型號

型號

EX24402-0VCU	16-port 10/100BASE PoE with 2-port Gigabit SFP Combo Managed Ethernet Switch

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