

# Look! Canary Manageable Layer-2, 10-Port PoE+ Switch

Featuring:

- **10/100/1000 UTP & Fiber-Optic Gigabit SFP Ports to Match Host Connections** ▪
- **Eight PoE+ IEEE 802.3af/at Links** ▪ **CLI + Web-based Management & GUI** ▪
- **"We Deliver Advanced Switching and Increased Customer Satisfaction!"** ▪

Canary **CMX-2308CP** Manageable Layer-2 eight-port, Power-over-Ethernet Switches are web-accessible and designed to economically provision standard network installations needing reduced PoE+ port density, smaller physical size and Gigabit capacity – all with IEEE 802.3az Energy Efficient Ethernet for reduced power consumption and real cost savings.

Incorporating key Layer-2 features and optional Web-based and Command-Line-Interface (CLI) Management, the rack-efficient **CMX-2308CP** is optimized to simplify deployment of multiple PoE devices while enabling integrated transmission of Ethernet Data, Voice-over-IP, and Video Camera traffic over eight UTP network channels.

**Application 1:** Position a Canary **CMX-2308CP** Switch to provide Access Control List (ACL) protection for Operations, Administration & Management (OAM) functions while making the Integration of remote IP Cameras, VOIP Phones and Wireless Access-Points completely visible.

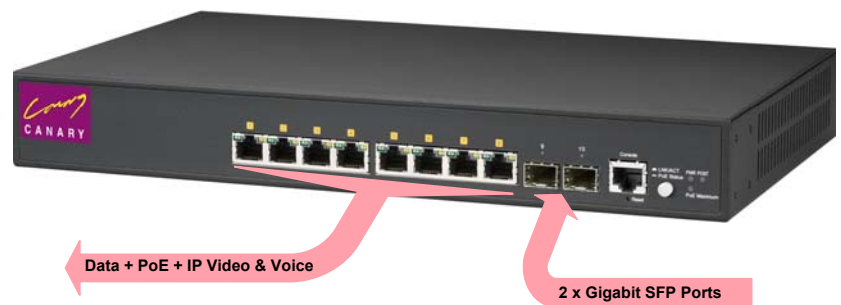
Simultaneously, utilize ARP Inspection and DHCP Snooping to Guard Screen & Filter suspect traffic coming from unknown IP sources.

**CMX-2308CP** Gigabit Ethernet PoE+ copper ports represent a combined Power Budget of 125 Watts while delivering up to 30 Watts of power per UTP/RJ-45 port.

Two SFP pluggable Fiber Transceiver slots support multiple extended-range 1000BASE-SX/LX/ZX optical links to distant Hosts and redundant Switches for increased network resilience and stability.

**Application 2:** Deploy your **CMX-2308CP** to consolidate access and control of eight, remotely PoE+ Powered PTZ IP Cameras into a single VLAN. Isolate and secure access to the Cameras and their information then configure the Switch to *selectively forward* generated Video traffic to the user's central Digital Network Video Recorders on the same VLAN for real-time Image Viewing & Storage.

## CMX-2308CP – 8-Port PoE+ & 2-Fiber, Web-Manageable Switch



### ▪ Plug-and-Go or Managed Fiber and RJ-45 Connections:

Choose your equipment & applications to run via PoE+. Connect each IP device to the **CMX-2308CP**; then simply power-up the Switch and distribute power to each connected IP Camera etc. Use the powerful Management utilities to precisely configure each connection to your particular needs for application-specific, secure, targeted transmissions. (*Applications 1 & 2*).

### ▪ Flexible, Secure, Switch/Network/Host Configurations:

**ACL:** Password Controlled Management Access to a **CMX-2308CP** in order to ensure PoE Domains remain secure during System configuration & operation while blocking un-authorized changes or diversion of sensitive data traffic.

**Remote Access:** Authorize user access from web-enabled stations to remotely maintain and monitor System & Data security, integrity and availability while allowing the export of Video – data streams to Campus or Facility operations personnel.

### ▪ System Monitoring with Highly Granular Statistics:

Measure Port Utilization and Bandwidth over point-to-point links to provide immediate visibility of traffic volume for Rate-Limiting and Storm-Control to ensure normal data transmission and QoS delivery; and to protect the network from un-intentional traffic-flooding or intentional malicious Denial-of-Service attacks.

Control the physical access to your Canary **CMX-2308CP** Switch and cable connections, to insure continued authorized user access – and securely deliver critical data where needed – *Easy, Secure, Information Availability!*

**Canary Communications**

## Main Features:

### Switch & Network Functions:

- 256 Active VLANs
- Port-based Mirroring
- DHCP Relay / Option 82
- Link Layer Discovery Protocol
- Link Aggregation Control Protocol
- Loop Detection, Auto Recovery Timer
- SFP DDMI Reporting & Support
- IGMP Snooping v1/v2/v3
- IGMP Querier (Layer 3)
- RMON Statistics
- STP/RSTP
- SFP Fiber Connections: – 1000BASE-SX / LX / ZX
- Typical Transmit Ranges: – 500 m, 10, 20, 30, 60 Km

### Management:

- Web Graphic User Interface (GUI)
- 1 x Console port (RJ-45 to RS-232)
- Configuration Upload/Download
- Command Line Interface
  - Telnet
- Management VLAN
  - Email Alarm
- LEDs, SNMP Traps
  - SNMP v1/v2c
- Upgradeable Firmware
  - System Log (Syslog)

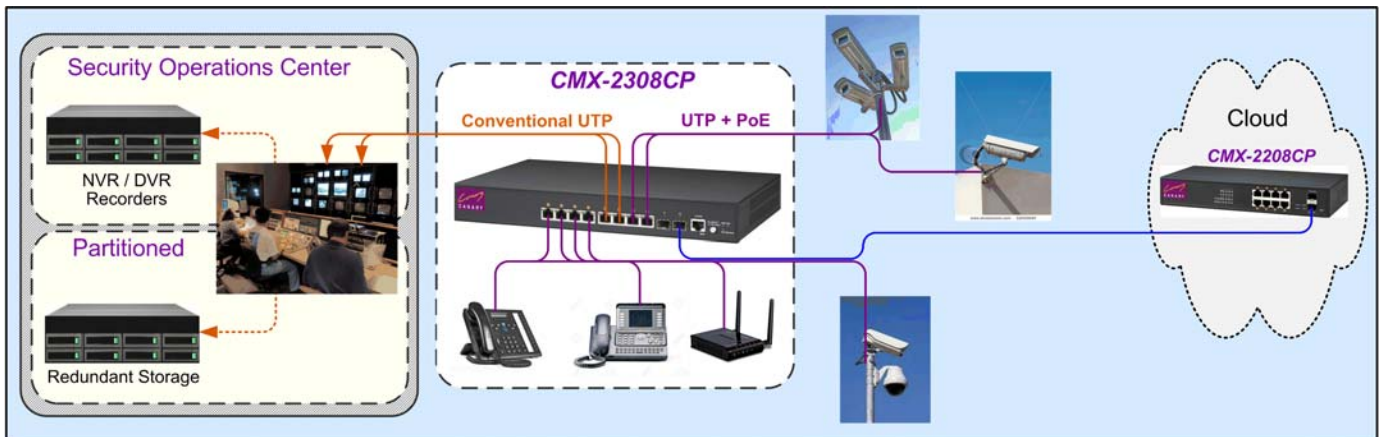
### Network Security & QoS:

- 802.1Q Tag-based VLAN
    - Port Priority via QoS
  - Access Control List (ACL) L2/L3/L4
    - Port Isolation
  - DHCP Snooping
    - Storm Control
    - Rate Limitation
- Please contact Canary for additional technical details.



## Specifications:

<b>Standards:</b>	IEEE 802.3 IEEE 802.3u IEEE 802.3z IEEE 802.3ab IEEE 802.3x IEEE 802.3ad IEEE 802.3af IEEE 802.3at IEEE 802.3az IEEE 802.1ab IEEE 802.1d IEEE 802.1w IEEE 802.1p IEEE 802.1q	10BASE-T 100BASE-TX/FX 1000BASE-SX/LX 1000BASE-T Flow Control Port Trunking with LACP Power over Ethernet (PoE) High Power over Ethernet (PoE+) Energy Efficient Ethernet (E <sup>3</sup> ) Link Layer Discovery Protocol Spanning Tree Protocol (STP) Rapid Spanning Tree Protocol Class of Service VLAN Tagging	<b>Input Power:</b>	100 ~ 240 VAC, 50-60 Hz, 2.1 Amp Internal Power Consumption: 6W Maximum
<b>Performance:</b>	Switching Fabric: Layer-2 Forwarding: Jumbo Frames: MAC Entries: Packet Buffer:	20.0 Gbps 14.9 Mpps 10 K Octets 8 K Addresses 4.1 M Packets	<b>Output PoE:</b>	Total Combined Power Output Capacity: 125 W [PoE+]. Supported-Mode: Mode A
			<b>Temperature:</b>	Operating: 0.0° C to 40° C Storage: -40° C to 70° C
			<b>Humidity:</b>	Operating: 10% to 80% RH Non-condensing Storage: 5% to 90% RH Non-condensing
			<b>Emissions:</b>	CE Mark EN60950 & EN55022 and FCC Part 15 of Class A
			<b>Safety:</b>	US 21 CFR (J) & EN 60825-1 standards and UL 1950 applications, EN 60950, CE, TUV
			<b>Mechanical &amp; Dimensions:</b>	Inside Desktop or 19" Rack-Enclosures 13.0 inch x 8.0 inch x 1.7 inch (W x D x H) [33.0 cm x 20.4 cm x 4.4 cm] (W x D x H)
			<b>Weight:</b>	5.3 lb. [2.4 Kg] (Shipping Weight)



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