

New! Canary Updates Work-Group Switching

Featuring:

- **8 (10/100 Mb.) RJ-45 Ports** ▪ **One (100 Mb.) Fiber Port** ▪
- **Enhanced Layer-2 Functionality with Multiple Management Options** ▪
- **Can Be Special Ordered with Active CWDM Transceivers For Direct Multiplexing** ▪

The **CMX-801X** Switch by Canary Communications, is a high-performance, Eight-channel plus One, Layer-2, Multi-media, Ethernet Switch. Manageable, it provides one Fast Ethernet, Full-duplex Fiber connection and eight 10/100 Mbps. Ethernet, channels. Its eight RJ-45 ports *Auto-negotiate* the highest common Data Rates and Modes possible with each connected network device.

Web/SNMP/CLI Management provides flexible, remote network control and monitoring capability with many operational configuration and system/ network diagnostic options.

Whether managed via remote Internet web browsers, by "in-band" SNMP management stations, or through the local "out-of-band" RS-232 Serial Console port, the **CMX-801X** facilitates multi-layered, highly flexible, network configuration and control.

The **CMX-801X** uses IEEE 802.3ad LACP Link Aggregation Control Protocol for applications requiring increased bandwidth, or link redundancy. Configured with LACP, an Auto-Fail-over function provides *Redundant* back up if one or more of the grouped Ports begin malfunctioning.

The **CMX-801X** also supports 802.1q VLANs that simplify Network Traffic Segmentation, Broadcast Domain Extensions and other associated benefits of VLANs. This abundance of features translates into increased ease of network administration.

CMX-801X Layer-2. Work-a-group Switch With 9 Ethernet Ports



100 Mb. Fiber Port & [8] 10/100 Mbps RJ-45 + [1] Serial. RS-232/RJ-45 Port

▪ **Intuitive, User-Friendly System Management:**

Simple configuration via the Serial Console port using familiar Command Line structures; Provides secure, flexible, remote configuration and monitoring access via the WEB and intuitive GUI; In-band, SNMP security and system health monitoring, plus access to powerful RMON statistics collection.

▪ **Highly Flexible Switch/Network Configuration:**

Combine individual channels into *Trunk Groups* or Create VLANs and Priority Queues for QoS (Quality of Service). Use in FTTX and CWDM installations. Multiple versions of Spanning Tree add System resilience. Simply plug in Copper and Fiber connectors to add active Links. *Easy Expansion!*

▪ **Unparalleled Network Integration and Versatility:**

A selection of Fiber connectors (including CWDM and Single-Fiber) expand customer access and utilization of existing fiber installations. Extensive switching functions provide customers *exactly* the multi-channel services desired. Makes network expansions easy.

Canary Communications

Main Features:

Standards:

- IEEE: 802.3, 802.3u, 802.3x, 802.3ad, 802.1d, 802.1w, 802.1p, 802.1q

Interfaces:

- One 100BASE-FX Port
- Eight 10/100 BASE-T/TX RJ-45 Ports
- Serial RS-232 Console Port (RJ-45)

Networking:

- Spanning Tree Protocol / Rapid Spanning Tree Protocol
- Full VLAN (802.1q) with (Q in Q) Metro Double Tagging
- CoS and ToS / DiffServ for Service Differentiation
- Automatic learning of up to 8K MAC addresses
- Rate limitation & Network Storm Protection
- IGMP Snooping for multicast filtering
- Proprietary Xpress Ring Protocol
- Ingress/Egress Rate limitation
- LACP Link Aggregation
- One Mbit Traffic Buffer

Management:

- SNMP
- RMON
- Telnet/Console
- Web-based GUI
- Command Line Interface (CLI)
- Port configuration, status, statistics, security
- Automatic E-mail warning of Traps & Alarms
- Loss of Link management on Fiber ports
- IP-based, Network Access Control
- Port mirroring

Power:

- 100 ~ 240 VAC Auto-ranging Power input
- +12 VDC Power Option via Terminal Block
- 48 VDC power option available

Mechanical & Environmental:

- Desktop and rack-mountable unit
- Operating temperature: 0°C~50°C



Specifications:

Standards:	IEEE 802.3	10BASE-T	QoS:	Port-based, IEEE 802.1p tags, IPv4 ToS/DiffServ, IPv6 Traffic Class, source/destination MAC addresses
	IEEE 802.3u	100BASE-FX/TX	Max Distances:	Fiber Optic: Up to 110 km (s/m) RJ-45 : 100 m RS-232: 15 m
	IEEE 802.1d	Spanning Tree Protocol	Power:	Input: 100 ~ 240 VAC, -48 VDC +12 VDC
	IEEE 802.1w	Rapid Spanning Tree	Temperature:	Operating: 0° C to 50° C Storage: -20° C to 70° C
	IEEE 802.1p	Priority Queues	Humidity:	Operating: 10% to 80% RH Storage: 5% to 90% RH
	IEEE 802.1q	VLAN Tagging	Emissions:	FCC Part 15 of Class A & CE Approved
	IEEE 802.3ad	Port Trunking	Safety:	EN 60950
	IEEE 802.3x	Flow Control	Dimensions:	5.0 in. X 10.5 in. X 1.73 in. (D x W x H) [128 x 268 x 44 mm] (D x W x H)
Ports:	[1] 100BASE-FX		Weight:	2.6 lb. (1.2 Kg)
	[8] 10/100BASE-T/TX (RJ-45)			
	[1] Serial RS-232 Console (RJ-45)			
Throughput:	14,880/ 148,800 Packets per Second (pps) thru 10/100 Mbps RJ-45 ports			
MAC Table:	Up to 8K Addresses			
VLAN:	Port-based and Tag-based (4 K VIDs)			

For more information please visit us at:
www.canarycom.com
info@canarycom.com

