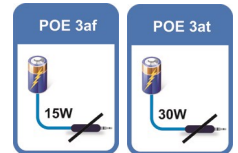


SWM-8TPS-2UCB-S28

SWM-24TPS-2UCB-S28



Main features :

Standards:

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

POE, Power Over Ethernet:
802.3af, and 802.3at

Interfaces:

SWM-8TPS-2UCB-S28

8 x10/100Base-TX POE PSE
8 ports 802.3af 15,4W or
4 ports 802.3at 30W

SWM-24TPS-2UCB-S28

24 x10/100Base-TX POE PSE
24 ports 802.3af 15,4W or
12 ports 802.3at 30W

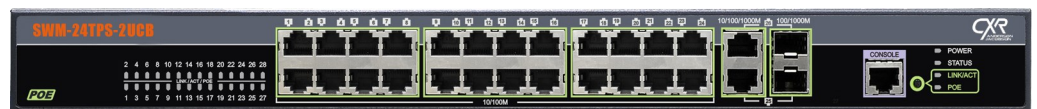
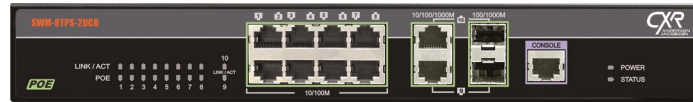
And for both devices :

- 2 universal combo ports
10/100/1000BaseT and
100FX/1000FX per SFP
- 1 RS-232 (RJ-45) consol port
- 1 Admin/SNMP Ethernet port

Network Specifications:

- 802.1x
- Remote function testing & troubleshooting
- Enable the limitation of MAC for access users
- MAC address/port based binding
- Port-based/VLAN traffic rate limit
- Egress/Ingress port traffic rate
64K granularity
- Support 4K 802.1Q C-VLAN,
S-VLAN Q-in-Q, P-VLAN and flow-based priority tag
- Support VLAN translation
- DHCP snooping & option 82
- 512 multicast groups
- Rapid Spanning Tree Protocol
- Multiple Spanning Tree Protocol
- Ring net protection (50 msec)
- IGMP Snooping for multicast filtering, IGMP Fast Leave

CONNECTING AND POWER FIEDDING POE PD TERMINALS



The CXR **SWM-xTPS-2UCB** Carrier Ethernet switches are sourcing POE (Power over Ethernet). They are used to concentrate and power feed 8 , 16 or 24 ports according to IEEE802.3af with 15,4W or half number of port according to IEEE802.3at with 30W. They are servicing and power feeding IP cameras, Wifi/radio access points and all new generation equipments.

SWM-8/16/24TPS-2UCB are Layer 2 manageable switches with 8, 16 or 24 10/100BaseT POE ports and 2 universal combo ports with one 10/100/1000BaseT and one SFP 100FX/1000FX delivered w/o module.

Administration, monitoring of traffic and power feeding ports is particularly developed. This include a RMON probe. "In-Band" or "Out-of-Band" management is done in http, CLI or SNMP over LAN/WAN, the SNMP/Ethernet or an RS232/console port.

The **SWM-xTPS-2UCB** is rich by his Network-ing features. It's supporting P-VLAN with L2

port isolation, VLAN 802.1q tagging with C-VLAN and S-VLAN or Q-in-Q, the VLAN multicast, VLAN mapping 1:1 and N:1.

The **SWM-xTPS-2UCB** owns solid security functions with 802.1x Radius client, fixed MAC address per port of static list of address, This manage ingress/egress rate limiting per port with 64K granularity and a QoS with 4 priority queues.

This switch support Mesh networks with RSTP/MSTP Spanning Tree and ESR ring with less 50ms recovering. Trunking supports up to 8 FE ports or the 2 GE.

The **SWM-xTPS-2UCB** integrate powerful multicast functions with IGMP V1/2/3 snooping of 256 groups, Simultaneous distribution of unicast VoD and multicast TVoIP traffic can be processed.

His robustness and power lines or Ethernet port protections give to the **SWM-xTPS-2UCB** a good label of quality to serve POE devices in transportation, utilities, defense and Telco domain.

Management:

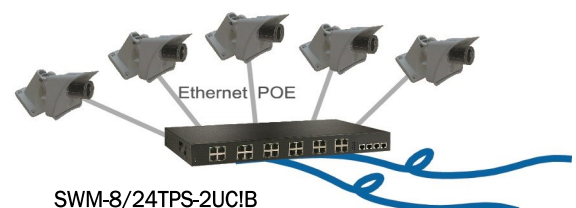
- Console port, management port and over LAN/WAN ports
- Web-based GUI,
- In-Band, Out-of-Band
- SNMP V1/v2/v3 ,RMON
- Telnet/SSH, CLI
- Port configuration, status, statistics, security
- Loss of link management on fiber.

Power:

- Anti-lightning protection power and line interface
- Version AC 100 ~ 240V AC
- Version -48VDC

APPLICATIONS

The **SWM-xTPS-2UCB** series is used to concentrate and power-feed IP cameras, IP phones, Wifi hot-spots or new generation smart tablets. Each port can be set or limited to support up to 15,4W or 30W as IEEE802.3af or.3at and to protect against over voltage or temperature excess.



SWM-8/24TPS-2UCB

100FX or 1000FX or
10/100/1000BaseT



Switch POE Carrier Ethernet

SPECIFICATIONS

Equipements		SWM-8TPS-2UCB-S28	SWM-24TPS-2UCB-S28
Interface	Users ports	8*10/100BASE-TX POE	24*10/100BASE-TX POE
	Maximum of 15,4W IEE-E802.3af POE ports	Up to 8	Up to 24
	Maximum of 30W IEE-E802.3at POE ports	Up to 4	Up to 12
	Up-link ports	2 universal combo ports: 10/100/1000BaseT and SFP for 100FX and 1000SX/LX/ZX	
	Consol port	RS232 RJ-45	
	Out Band administration	Ethernet / SNMP port RJ-45	
Performance	Port-based switching capacity	SWM-8TPS-2UCB-S28: 32Gbps SWM-24TPS-2UCB-S28: 32Gbps	
	Packet forwarding rate	SWM-8TPS-2UCB-S28: 5.6 Gbps SWM-24TPS-2UCB-S28: 8.8Gbps	
	MAC addresses table	Maximum 16K	
	MAC add. learning mode	Wire-speed	
	MAC address table function	Manually add/delete MAC address table; MAC address aging time configurable; MAC based for load balancing on port/trunk group.	
Fonctionnalité de niveau 2	VLAN	Support Port VLAN based, IEEE802.1Q tagging/untagging VLAN with maximum 4K VLAN; Support multicast VLAN; Support Q-in-Q or S-VLAN tagging; Support VLAN mapping(1:1,N:1)	
	Trunk	Support port aggregation according to IEEE802.3ad; Support 14 groups of 8 FE ports or 2 GE 100% efficiency of aggregation	
	Broadcast control	Support broadcast control, multicast control, DLF packet control	
	Spanning tree protocol	Support STP, RSTP and MSTP with 64 instances	
	Ring Protection	Support ESR with less 50ms recovery time	
Ports	Ports	Auto-negotiation of rate IEEE802.3x flow control (full duplex)/back pressure based flow control (half duplex); MDI/MDIX; Port-based loopback testing	
	Port mirroring	Support port-based 1:1 or n:1 mirroring; MAC based mirroring and mirroring when sampling interval	
	Port rate limiting	Support port-based rate limiting, dual-direction nx64Kbps	

Switch POE Carrier Ethernet

SPECIFICATIONS

Equipements		SWM-8TPS-2UCB-S28 SWM-16TPS-2UCB-S28 * SWM-24TPS-2UCB-S28
Multicast		Layer2 multicast protocol : IGMP Snooping; Maximum multicast group item: 1024; Multicast VLAN, inter-VLAN multicast duplication
QOS/ACL		MAC address/VLAN ID based flow Ethernet identification; Max. support 1024 ACL items; Support 802.1p priority, 4 queues; Support SP/WRR scheduling algorithm; Support flow-based priority tagging; Support QoS priority remapping
POE characteristics		Support IEEE802.3af >15,4W & IEEE802.3at > 30W; Power supply statistics: on each PoE port and on whole switch Priority of PoE port configurable Output power of PoE port configurable; In case of powered device overload, auto/manual mode enabled to proceed PoE port management; Support over-temperature protection
Network administration	Mode	Telnet, CLI, Web et SNMPv1/v2/v3
	Type	In-band, Out-band
	Function	Remote testing and testing and trouble shooting. SNMP/web/telnet/consol administration Download of configuration ; Multi switches: « cluster network »administration up to 128 Support TFTP; Support DHCP Option82
Others	Power supply	AC: 176~264V or DC: -48~-72V Working temperature : -10~50°C ; Stocking temperature : -20~70°C ; Humidity : 10 ~ 90%, (non condensed)
	Temperature	
	Power	
	L×P×H	SWM-8TPS-2UCB-S28 : 300mm×240mm×44mm SWM-24TPS-2UCB-S28 : 440mm×340mm×44mm
	Weight	SWM-8TPS-2UCB-S28 : 2.24kg SWM-24TPS-2UCB-S28 : 4.82kg
	Thermal dissipation .	By FAN 3 for SWM-24TPS

Switch POE Carrier Ethernet

ORDER REFERENCES



SWM-8TPS-2UCB-A-S28	Carrier Ethernet Switch layer2, 8x10/100TX POE PSE ports IEEE802.3af 15,4W or 4 ports working as IEEE802.3at at 30W , 2 uplink Combo 10/100/1000Baset and SFP for 100FX/1000FX, -10 to +50°C, AC power, 19" brackets
SWM-8TPS-2UCB-D8-S28	Carrier Ethernet Switch layer2, 8x10/100TX POE PSE ports IEEE802.3af 15,4W or 4 ports working as IEEE802.3at at 30W , 2 uplink Combo 10/100/1000Baset and SFP for 100FX/1000FX, -48 to -72Vdc power, 19" brackets
SWM-24TPS-2UCB-A-S28	Carrier Ethernet Switch layer2, 24x10/100TX POE PSE ports IEEE802.3af 15,4W or 12 ports working as IEEE802.3at at 30W , 2 uplink Combo 10/100/1000Baset and SFP for 100FX/1000FX, -10 to +50°C, AC power, 19" 1U
SWM-24TPS-2UCB-D8-S28	Carrier Ethernet Switch layer2, 24 x10/100TX POE PSE ports IEEE802.3af 15,4W or 12 ports working as IEEE802.3at at 30W , 2 uplink Combo 10/100/1000Baset and SFP for 100FX/1000FX, -10 to +50°C, -48 to -72Vdc power, 19" 1U



CXR Anderson Jacobson
Rue de l'Ornette
28410 Abondant - France

T +33 (0) 237 62 87 90
F +33 (0) 237 62 88 01
email: contact@cxr.com

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