

LMS-20402ECP LMS-20801ECP

2.5G NBASE-T Easy Managed PoE++ Switches

Overview

The SERA LMS-20402ECP and LMS-20801ECP is a Cost-Effective 2.5Gb Light Managed POE Ethernet Switch.

LMS-20402ECP is 4×10/100/1000/2500BASE-T ports and 2x10G SFP+ ports, Ports1 to 4 fully support IEEE802.3 at/bt Type 4 up to 95W.

LMS-20801ECP is 8×10/100/1000/2500BASE-T ports and 1x10G SFP+ ports, Ports1 to 8 fully support IEEE802.3 at/bt Type 4 up to 95W.

To attached devices, such as VOIP phones, wireless access points surveillance cameras etc. Fully utilizing the existing Cat. 5/5e/6 cable infrastructure.

The switch provides easy web-managed capabilities, enabling users to configure advanced features such as VLAN, QoS, IGMP, Trunk Group, bandwidth control, and MAC constraint through a web browser for flexible and efficient network management.

Features

- 10/100/1000/2500 Mbps Auto-Negotiation
- Supports IEEE 802.3bt Type-4 PoE, up to 95W per port
- GaN power technology for high efficiency and eco-friendly performance
- Web-based easy management for advanced features
- Auto MDI/MDIX on all ports
- Back-pressure flow control (half-duplex)
- IEEE 802.3x flow control (full-duplex)
- Store-and-Forward switching architecture
- Jumbo Frame support
- Built-in packet buffer memory for enhanced performance
- Broadcast/Multicast/Unicast storm control
- IEEE 802.1p priority queuing
- Non-blocking switching architecture for full wire-speed throughput

Hardware Specifications		LMS-20402ECP	LMS-20801ECP
2.5G NBASE-T Easy Managed PoE++ Switch	Ethernet Port		
	2.5G NBASE-T	4	8
	10G SFP+	2	1
	Performance		
	Switching Capacity	60 Gbps	60 Gbps
	MAC Address Table Size	4 K	4 K
	Packet Buffer Memory	1 MB	1 MB
	Jumbo Frame Size	12 KB	12 KB
	Forwarding Rate (64-byte)/Port	44.64 Mpps	44.64 Mpps
	Auto MDI/MDI-X	Yes	Yes
	PoE		
	PoE Port	Port 1~4	Port 1~8
	PoE Budget per Port	95 W (IEEE802.3bt Type-4)	95 W (IEEE802.3bt Type-4)
	PoE Budget per Device	240 W	480W
	LED		
	Per Device	Power / PoE MAX	Power / PoE MAX
	Per Port	Link/Activity, PoE Status	Link/Activity, PoE Status
	Energy Efficiency		
	Green Ethernet (EEE, 802.3az)	Yes	Yes
	FAN / Fanless	Fanless	2
	Physical Specifications		
	Enclosure Form Factor	Desktop	Desktop
	Material	Metal	Metal
	Dimensions (W x D x H mm)	280 x 180 x 44 mm	330 x 200 x 44 mm
	Environmental Specifications		
	Operating Temperature	0° – 40° C	0° – 40° C
	Operating Humidity (non-condensing)	90% Max.	90% Max.
	EMC		
	EMC Certifications	FCC/CE	FCC/CE
	Safety		
	Safety Certifications	cUL/CB	cUL/CB
	Power		
	Power In (Gallium Nitride power supply)	Internal Power 100-240VAC, 50/60Hz	Internal Power 100-240VAC, 50/60Hz
	Maximum Power Consumption	10W (wo/PoE)	16.5W (wo/PoE)
	IEEE Network Protocols		
	IEEE 802.3 10BASE-T Ethernet	V	V
	IEEE 802.3u 100BASE-TX Fast Ethernet	V	V
	IEEE 802.3ab 1000BASE-T Gigabit Ethernet	V	V
	IEEE 802.3bz 2.5G NBASE-T Ethernet	V	V
	IEEE 802.3x Flow Control	V	V
	IEEE 802.3az Energy Efficiency Ethernet	V	V
	IEEE 802.1p Priority Queue (QoS)	V	V

*Specifications are subject to change without notice.

Software Specifications		LMS-20402ECP	LMS-20801ECP
2.5G NBASE-T Easy Managed PoE++ Switch	Web Based Configuration	V	V
	VLAN Settings (Static VLAN, PVID Mapping)	V	V
	QoS Settings (Priority Selection, DSCP		
	Remapping, Priority to Queue, Port-based	V	V
	Priority, Queue Weight)		
	IGMP Snooping	V	V
	Trunk Group Setting	V	V
	Port-based Mirroring	V	V
	Port Isolation	V	V
	Bandwidth Control	V	V
	Jumbo Frame Setting	V	V
	MAC Constraint	V	V
	Storm Control	V	V
	Port Setting	V	V
	Port Statistic	V	V
	Cable Diagnostic	V	V
	Firmware Upgrade	V	V
	Configuration Backup	V	V
	System Setting	V	V
	PoE Settings (Manually port power budget	V	V
	setting, Power On/Off, PoE Status)		
	Loop prevention	V	V
	EEE On/Off	V	V
	Static MAC Setting	V	V

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