



DIANA : DUS-8EP-2E

## OVERVIEW

The DUS-8EP-2E is a 10/100Mbps unmanaged POE switch, which provides eight DATA+POE ports and two pure data port. Ports 1-8 follow the 802.3af/at standard and support maximum power output of 30w per port. The POE ports of the switch can automatically detect and supply power to the PD devices that comply with the 802.3af/at standard. In addition, the switch supports auto-negotiating traffic control functions and is compatible with terminal devices of 10Mbps, 100Mbps.

The DUS-8EP-2E is usually used to provide power and data transmission for IP cameras, wireless APs, bridges, and IP phones. For terminal devices that do not support POE, the POE splitter can be used to provide power supply and data transmission. Switch supports Smart AI technology which detects non-responsive PoE devices and reboots them for recovery with a power cycle.

The DUS-8EP-2E adopts plug-and-play design, which eliminates the need for software configuration, which greatly facilitates the installation and use of digital monitoring and wireless coverage. In particular, the switch provides a set of DIP switches for easy transition between shared or port isolation modes. In the port isolation mode, 1-8 ports cannot communicate with each other but transmit output data only through port 9-10. This mode can effectively suppress the generation of broadcast storms.

1. Intelligent detection, support active and passive 48V POE device.
2. Dynamic power ensures stable and reliable output power.
3. Anti - collinear interference to solve grounding installation problem.
4. Startup in an orderly way to reduce the current shock effectively.
5. Reliable short circuit protection, safe and reliable.
6. Overvoltage undervoltage protection.

## FEATURES

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1. Complies with IEEE 802.3, 802.3i, 802.3u, 802.3x, 802.3q, 802.3af/at specifications.
2. 2\*10/100Mbps uplink ports, support for auto-negotiation.
3. 8\*10/100Mbps POE ports, support 802.3af/at standard, maximum 30w power output.
4. PoE power budget 120w
5. Ideal for small installations of 8 PoE devices (IP phone, wired surveillance camera, wireless access point)
6. Smart AI to detect non-responsive PoE devices and reboot them for recovery with a power cycle.
7. Store-and-Forward transmission mode.
8. Auto MDI-X function, self-adjusting straight-through line, cross-line connection.
9. Plug-and-play, simple set up with no software or configuration needed
10. Quiet operation, energy efficient and sturdy metal case for anywhere quality installation
11. 1K Mac address table
12. Support 9k jumbo frames
13. One DIP switch supports port isolation setting and max 250m POE transmission ( CCTV mode)
14. Port status LEDs

# SPECIFICATIONS

Product Description	8 Port 10/100M + 2 Port 10/100M Uplink POE switch with 120W POE Power, Supports 250 meters, Smart AI
Model Name	DUS-8EP-2E
Product Family	Diana
Warranty	2 Year + 1 Year Extended Warranty (Max 3 Year)

PORT CONFIGURATION	
10M/100M RJ45 Port	8
10M/100M Uplink RJ45 Port	2
10M/100M/1000M SFP Uplink Port	--
Total Ports	10

HW PERFORMANCE	
Switching Bandwidth	2G
Exchange Mechanism	Store & Forward
MAC Address	2K

ENVIRONMENTAL SPECIFICATION	
Operating Temperature	0-45 °C
Operating Humidity	10% ~ 90% RH Non-condensing
Storage Temperature	-40 °C ~ 80°C

Storage Humidity	5% ~ 90% RH Non-condensing
MECHANICAL SPECIFICATION	
Dimensions (H) x (W) x (D) mm	190mm*130mm*32mm
Weight	1.2kg
FAN Less	Y
POWER SOURCE	
AC Input	AC input 100~240V 50~60Hz Internal Power Supply
POE	
IEEE802.3af/at	Y
MAX 30W	Y
Maximum POE Budget	120
Smart AI for PoE devices	Y
NETWORK PROTOCOL	
IEEE 802.3X	Y
IEEE 802.3i 10BASE-TX	Y
IEEE 802.3u 100BASE-TX	Y
IEEE 802.3af /IEEE 802.3at	Y

IEEE 802.3x Flow control	Y
DISTANCE	
Normal Mode	100 meters
CCVT or Extended Mode	250 meters
VLAN	
Port Based VLAN / Port Isolation	Y
SPEED	
Ethernet 10Mbps half-duplex, 20Mbps full-duplex	Y
Fast Ethernet 100Mbps half-duplex, 200Mbps full-duplex	Y
NETWORK MEDIA	
10Base-T: Pair 2 Category 3(cat 3) and above UTP/STP(≤100m)	Y
100Base-TX: Pair 2 Category 5(cat 5) and above UTP/STP(≤100m)	Y
SAFETY REGULATIONS	

FCC	Y
CE	Y
RoHS Compliant	Y
BSMI	Y

\*ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

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