

DUX106SPS



6-PORT GIGABIT 12V/24V SOLAR AND BATTERY POE SWITCH

The DUX106SPS is a 6-port Unmanaged Gigabit POE switch that offers 5 Gigabit POE ports and 1 SFP port. The switch supports various PoE outputs on each port with a total budget of 75W, suitable for IEEE802.3af at compatible powered devices (PDs).

The switch is designed from industrial strength material with low power usage and a fan-less design. The working temperature supports -20°C to 65°C, making it ideal for various harsh environments.

Input support is either 12V or 24V from Solar panels, batteries (lead-acid or Lithium) and/or normal AC/DC power supplies. The compact design makes it the best choice for installation on remote outdoor sites such as farms, mines, construction sites and forests.

HIGHLIGHTS

Network interface

- ▶ All gigabit interface, up to 12G backboard bandwidth
- ▶ 1 x 60w POE++ port
- ▶ 2 x 802.3af/at max 30w ports
- ▶ 2 x 48V/24V adaptive POE interface, supports active POE and passive PD, max 25w
- ▶ 1 x SFP fibre port

Stable and reliable

- ▶ Low power consumption design
- ▶ No fan mute design with cooling hole on the side
- ▶ Industrial components with 100% aging test

Easy operation

- ▶ Plug and play
- ▶ Users can easily understand the working status of the device through power indicator (PWR), port status indicator (Link/POE), battery status indicator (BOT.BIN) and system status indicator (CPU)

SPECIFICATIONS

POE++ port	1*10/100/1000Mbps POE++ up to 60w output
802.3af/at active POE	2*10/100/1000Mbps 802.3af/at ports up to 30w
Active/passive POE	2*10/100/1000Mbps 802.3af/at/24V/48V auto adaptive up to 25w
Fibre port	1*1000M SFP fibre port
Exchange mechanism	Store-and-forward
Bandwidth	12G
MAC table	2K
Environmental	Work temp: -20°C~+65°C
Parameter	Store temp: -40 to +70 degree Celsius Work Hump: 10%~90% RH non-condensing Store Hump: 5%~90% RH non-condensing
POE parameter	1*10/100/1000Mbps POE++ 2*10/100/1000Mbps 802.3af/at 2*10/100/1000Mbps 802.3af/at/24V/48V Passive
Battery Parameter	Switch Selection Battery Type, Supporting 12V or 24V lead-acid batteries MAX 50AH, Supporting 12V or 24V lithium batteries MAX 50AH
Power input	Solar panel input: 12V solar panel input(<30V) ---12V lead-acid batteries 24V solar panel input(<43V)--- 24V lithium batteries Power adapter DC input: 12VDC input----12V lead-acid batteries 26~44VDC input---24V lithium batteries
Protocol	IEEE 802.3 / IEEE 802.3i 10BASE-T IEEE 802.3u 100BASE-TX / IEEE 802.3u 1000BASE-TX IEEE 802.3z 1000BASE-X IEEE 802.3af/at IEEE 802.3x
Bandwidth	Ethernet - 10Mbps Fast Ethernet 100Mbps Gbit Ethernet 1000Mbps
Transmission medium	10Base-T: 2 pairs cat3 or above (≤100m) 100Base-TX: 4 pairs cat5 or above (≤100m) 1000Base-TX: 4 pairs cat5e or above (≤100m) 1000Base-SX: 62.5μm/50μm MMF, max 0.55km transmission 1000Base-LX:9μm SMF, max 80km long transmission
Physical parameter	Product size : 158mm*142mm*35mm (L*W*H) Package size : 300mm*175mm*100mm (L*W*H)
	Weight: 0.8kg



