# λ|CORTEX

# CTX-POESWITCH-POE4
## 4-PORT POE SWITCH

* The parameters and datasheets below can only be applied to V2.0 (version 2.0)

· Layer two commercial switch

· Supports IEEE802.3, IEEE802.3u, IEEE802.3ab and IEEE802.3x standards

· MDI/MDIX self-adaptation

· RJ-45 port supports 10/100 Mbps self-adaptation, and confirms to 802.3at, and 802.3af power supply standards

· Port 1 supports Hi-PoE 60W power supply

· 250 m PoE power supply
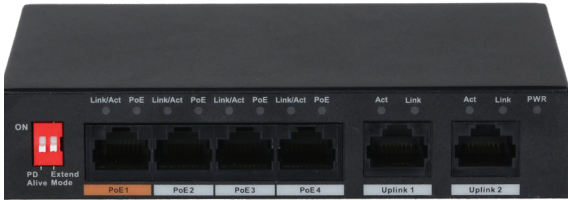
· Wall mounting and mechanical anti-theft

· 53V DC power supply

· Supports PoE watchdog

## System Overview

6-Port 10/100Mbps Unmanaged Desktop Switch with 4 PoE Ports is a type of layer two commercial switch. It provides 4 10/100 Mbps Ethernet ports and 2 10/100 Mbps uplink ports. The product is equipped with two types of transmission modes (Extend Mode On/Extend Mode Off). It also supports PoE watchdog to avoid the need for manual maintenance and restart.

## Functions

### Intelligent PoE
It adopts a PoE power consumption management strategy, and supplies power to important ports first. When the total power consumption exceeds the set threshold value of the system, it powers down the ports to smaller numbers. It adopts smart detection to prevent outage. Supplies ultra-wide power range, and adapts to IPC power consumption fluctuations in difficult environments.

### Hi-PoE 60W (Orange Port)
Besides IEEE802.3af and IEEE802.3at, the orange port also supports a maximum of 60W output.

### Long Distance PoE
Breaking the IEEE 100 m transmission limit, the device supports 250 m long distance PoE transmission with notably flexible networking.

### All Metal Design
With a metal design, the device has good heat dissipation and can work in harsh environments.

### POE Watchdog
Adopts a PoE watchdog function to avoid manual maintenance and device restart.

## Technical Specification

### Hardware

| | |
|---|---|
| Ethernet Port | 4 |
| Optical Port | 0 |
| Ethernet Port Rate | 100 Mbps |
| Number of Business Card Slots | Port 1–4: 4 × RJ-45 10/100 M (PoE)<br>Port 5–6: 2 × RJ-45 10/100 M (uplink) |
| Power Supply | 53V DC |
| Operating Temperature | −10°C  to +55°C  (+14°F to +131°F) |
| Operating Humidity | 5%–95% |
| Storage Temperature | −20°C  to +70°C (−4°F to +158°F) |
| Storage Humidity | 5%–95% |
| Power Consumption | Idling: 1.5W<br>Full load: 60W |

### Performance

| | |
|---|---|
| Switching Capacity | 1.80 Gbps |
| Packet Forwarding Rate | 0.89 Mpps |
| Packet Buffer Size | 1 Mbit |

# CTX-POESWITCH-POE4



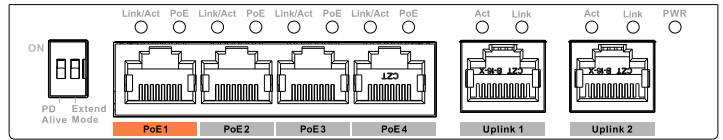| | |
|---|---|
| MAC Table Size | 2K |
| Communication Standard | IEEE802.3, IEEE802.3u, IEEE802.3x |

## PoE

| | |
|---|---|
| PoE Standard | IEEE802.3af/IEEE802.3at/Hi-PoE |
| PoE Power | 60W |
| PoE Power Consumption Management | Yes |
| PoE Pin Assignment | PoE/Hi-PoE: 1, 2, 4, 5 (V+), 3, 6, 7, 8 (V-) |
| Far Distance Mode | 250 m @10 Mbps |

## General

| | |
|---|---|
| ESD | Air discharge: 8kV<br>Contact discharge: 6kV |
| Thunderproof | Common mode: 2kV<br>Differential mode: 1kV |
| Net Weight | 0.3 kg (0.66 lb) |
| Gross Weight | 0.9 kg (1.98 lb) |
| Product Dimensions | 130 mm × 85 mm × 26 mm (5.12" × 3.35" × 1.02") |
| Packaging Dimensions | 267 mm × 239 mm × 77 mm (10.51" × 9.41" × 3.03") |

## Panels



## Application



L2+ Managed Switch

## Dimensions (mm[inch])