



## Products

## LAN Switches

## Power over Ethernet

[Layer 3 Managed PoE Switch](#)  
[Layer 2/2+ Managed PoE Switch](#)  
[Layer 2 Web Smart PoE Switch](#)  
[LCD PoE Switch](#)  
[Unmanaged PoE Switch](#)  
[Long Reach PoE Solution](#)  
[PoE Injector Hub](#)  
[PoE Injector / Splitter](#)  
[PoE Extender](#)  
[PoE Media Converter](#)  
[Renewable Energy PoE System](#)  
[PoE Powered Device](#)  
[Industrial Power over Ethernet](#)  
[60W Ultra PoE](#)

## Industrial Ethernet

## Media Conversion

## Passive Optical Network

## Wireless LAN

## IP Surveillance

## IP Telephony

## Broadband Communication

## Home Automation

## Network Security

## Network Peripheral

## Partner Login

User Name:

Password:



## POE-E304

## 1-Port Ultra PoE to 4-Port 802.3af/at Gigabit PoE Extender



## Overview

## Applications

## Key Features

## Specifications

## Download

## Related Products

## Hardware Specifications

<b>PoE In Port</b>	1 x 10/100/1000BASE-T Ethernet with Ultra PoE "Data + DC" in, auto MDI/MDI-X, auto-negotiation RJ45 connector
<b>Network Connector</b>	
<b>PoE Out Port</b>	4 x 10/100/1000BASE-T Ethernet with IEEE 802.3at/802.3af PoE "Data + DC" out, auto MDI/MDI-X, auto-negotiation RJ45 connector
<b>Data Rate</b>	10/100/1000Mbps
<b>Switch Architecture</b>	Store-and-Forward
<b>MAC Address Table</b>	2K
<b>Data Buffer</b>	2Mbits
<b>Switch Fabric</b>	10Gbps
<b>Switch Throughput</b>	7.44Mpps @ 64 bytes
<b>Jumbo Frame</b>	9K
<b>Flow Control</b>	IEEE 802.3x pause frame for full duplex Back pressure for half duplex
<b>LED Indicators</b>	<b>PoE In Port</b> 10/100 LNK/ACT (Orange), 1000 LNK/ACT (Green) <b>PoE Out Port 1 to Port 4</b> 10/100 LNK/ACT (Orange), 1000 LNK/ACT (Green) PoE-in-Use (Orange) PoE Max. (Orange)
<b>Protection</b>	ESD (Ethernet): 6KV Surge (EFT for power): 2KV
<b>Enclosure</b>	Metal
<b>Installation</b>	Desktop/Wall mountable
<b>Dimensions (W x D x H)</b>	160 x 92.5 x 28 mm
<b>Weight</b>	370g
<b>Power Requirements</b>	PoE In: IEEE 802.3bt or 4-pair 802.3at PoE+ compliant with voltage within 50V-56V DC External DC: 50~56V DC
<b>Power Consumption</b>	4 watts/13.7BTU (System on with PoE input) 6 watts/20.6BTU (Ethernet full loading without PoE function) 60 watts/205.9BTU (Full loading with PoE function)

<b>Network Cable</b>	10BASE-T: 4-pair UTP Cat5 up to 100m (328ft) 100BASE-TX: 4-pair UTP Cat5 up to 100m (328ft) 1000BASE-T: 4-pair UTP Cat5e, 6, up to 100m (328ft) EIA/TIA-568 100-ohm STP (100m, 328ft)
<b>Power over Ethernet</b>	
<b>PoE Standard</b>	<b>PoE In Port</b> Ultra Power over Ethernet end-span/mid-span PD class 4 PD <b>Per PoE Out Port</b> IEEE 802.3at Power over Ethernet Plus end-span PSE IEEE 802.3af Power over Ethernet end-span PSE
<b>PoE Power</b>	<b>PoE In Port</b> 50~56V DC, max. 60 watts <b>Per PoE Out Port</b> 44~55V DC, max. 30.8 watts
<b>Power Pin Assignment</b>	<b>PoE In Port</b> 1/2 (+), 3/6 (-); 4/5 (+), 7/8 (-) or 1/2(-), 3/6(+); 4/5(+), 7/8(-) <b>Per PoE Out Port</b> 1/2 (+), 3/6 (-), end-span (Type A)
<b>PoE Power Budget</b>	50 watts (max.) @ Ultra PoE input 20 watts (max.) @ IEEE 802.3at PoE+ input
<b>Standard Conformance</b>	
<b>Regulatory Compliance</b>	FCC Part 15 Class A, CE
<b>Standard Compliance</b>	IEEE 802.3 10BASE-T Ethernet IEEE 802.3u 100BASE-TX Fast Ethernet IEEE 802.3ab 1000BASE-T Gigabit Ethernet IEEE 802.3af Power over Ethernet IEEE 802.3at Power over Ethernet Plus IEEE 802.3x Flow Control
<b>Environment</b>	
<b>Operating</b>	Temperature: 0 ~ 50 degrees C Relative Humidity: 5 ~ 95% (non-condensing)
<b>Storage</b>	Temperature: -10 ~ 70 degrees C Relative Humidity: 5 ~ 95% (non-condensing)
<b>Ordering Information</b>	
<b>POE-E304</b>	1-port Ultra PoE+ to 4-port 802.3af/at Gigabit PoE Extender

[Top](#)