Product Name	**GAOTek 10 Pt POE Ethernet Switch**
Product SKU	**GAOTeK-ESR-168**
Product URL	**https://gaotek.com/product/gaotek-10-pt-poe-ethernet-switch/**

Contact us: sales@gaotek.com

CONTENT

GAOTek 10 Pt POE Ethernet Switch

INTRODUCTION

Ethernet POE switch is a high-performance, low-power 100 Mbps Ethernet POE switch, and is the primary choice of small LAN. It offers eight 10 / 100 / Mbps POE, ports with two 10 / 100 / Mbps normal network ports to connect upstream devices with higher bandwidth. Store forwarding technology to ensure efficient bandwidth allocation to each port. Fully connected to a working group or server for easy plug and play, this flexible blocking-free architecture can not be limited by bandwidth and media networks. The switch supports full-duplex working mode, each switching port supports adaptive function, the port adopts storage and forwarding mode, the product is superior in performance, easy to use, convenient and intuitive, providing an ideal networking solution for working group users or small LAN

PRODUCT FEATURES

◆ Support for IEEE 802.1Q VLAN

◆ Support for full-duplex IEEE 802.3X flow control

◆ Built-in highly efficient SRAM packet buffer, with 2k entry lookup tables and two 4-way associated hashing algorithms

◆ Support for high-performance QoS functionality on each port

◆ Support for IEEE802.1p traffic re-labeling

◆ Support for energy-saving Ethernet (EEE) function (IEEE802.3az)

◆ Flexible LED indicator lamp

◆ Supports a 25 MHz external crystal or OSC

- This product is a network transmission general-purpose switch. It has a small size, high efficiency, stable work,
- Transmission distance is far and other characteristics. Overload protection, output short-circuit protection, and other functions.

SIZE OF PRODUCT

Chip scheme	**JL5108+JL5105**
Standards/Protocols	**IEEE 802.1Q , IEEE 802.1x,IEEE 802.3ad,IEEE 802.3af/at**
Network media	**10B ASE-T: Unshielded Class 3,4,5 twisted pair (max. 250m)** **100B ASE-TX / 100B ASE-T: twisted over 5, over 5 (maximum 100m)**
joggle	**10*10 / 100 M RJ 45 ports (Auto Negotiation / Auto MDI / MDIX)** **8 POE ports**
The MAC address is a null volume	**2K**
exchange capacity	**2 Gbps**
Package forwarding rate	**1.448Mbps**
Package cache	**768Kbits**
Giant frame	**4096 bytes**
source	**The built-in power supply is 120W**
The POE port has the output power	**30W (single-port MAX)**
quiescent dissipation	**0.3W (DC52V)**
Power pin	**(1/2) +,(3/6)-**

Speed limit function		Support for the speed limit of 10M
pilot lamp	Each	**Power. System (Power: red light) When the load status of the indicator is: orange for VLAN / 10Mbps, red without VVLAN / 10Mbps**
	Each port	**Link / Activity (Link / Act: green) access the signal status: orange when the network and POE are connected at the same time; red with POE without network, green for network without POE.**
service environment		**Operating temperature: -10°C ~ 70°C (32 °F ~127 °F)** **Storage temperature: -40°C ~85°C (-97 °F ~142 °F)** **Working humidity: 10%~90% without condensation** **Storage humidity: 5%~95% condensation**
Case material		**Standard Hardware Case**
Case size		**190*125*38mm**

Appearance and size (mm): 190 * 125 * 38mm

ENVIRONMENTAL AND MATERIAL REQUIREMENTS

The contents of this specification meet the requirements of ten RoHS Directives and the content of hazardous substances meets the following standards:

Limited substance	Limited Standard PPM (mg/kg)
lead (Pb)	1000
cadmium (Cd)	100
Mercury (Hg)	1000
Hexavalent chromium (Cr 6 +)	1000
Polybromodibiphenyl (PBB s)	1000
Pbrophenyl ether (PBDE s)	1000
Two (2-ethyl radical) ester (DEHP)	1000
Tolutophenylbutyl phthalate (BBP)	1000
Dibutyl phthalate (DBP)	1000
Diisisobutyl phthalate (DIBP)	1000

Working humidity: 10% -90% RH (no condensation)

Operating temperature: -20-50°C

- Storage temperature: -40-70°C
- Storage humidity: 5% -90% RH (no condensation)

Note: The above table is the requirements of the EU RoHS Directive. If the customer requirements are stricter than the EU standards, they will be based on the customer standards