**Product Datasheet**

# 10-Port Full Gigabit PoE Fiber Switch
## (ARIOONET-8PG2S)



## OVERVIEW

The ARIOONET-8PG2S is a full gigabit PoE fiber switch independently developed by ARIOONET. It has 8*10/100/1000M RJ45 ports and 2*1000M SFP slot ports. Port 1-8 can support IEEE 802.3af/at standard PoE power supply. single port PoE power reaches 30W, and the maximum PoE output power is 130W(at-250W). As a PoE power supply device, it can automatically detect and recognize the power receiving equipment that meets the standard and supply power through the network cable. It can supply power to POE terminal equipment such as wireless AP, webcam, VoIP, visual intelligent building intercom through network cable, and meet the network environment that needs high-density PoE power supply. It is suitable for hotel, campus, factory dormitory and small and medium-sized enterprises.

Unmanaged model, plug and play, no configuration, easy to use.

## FEATURE
■ **Full gigabit access, gigabit SFP port uplink**

◇ All series supports "gigabit Ethernet port and gigabit SFP fiber port " combination, which enables users to flexibly build networking to meet the needs of various scenarios.

◇ Support non-blocking wire-speed forwarding.

◇ Support full-duplex based on IEEE802.3x and half-duplex based on backpressure.

■ **Intelligent PoE power supply**

◇ 8*10/100/1000Base-T RJ45 ports, meeting the needs of security monitoring, teleconferencing system, wireless coverage, and other scenarios.

◇ IEEE802.3af/at PoE standard, without damaging non-PoE devices.

◇ Priority system for PoE port, it will supply power to the high priority level port first when the power budget is insufficient and avoid overwork of the device.

■ **Stable and reliable**

◇ Low power consumption, galvanized steel casing, The fan active cooling.

◇ Self-developed power supply, high redundancy design, providing a long term and stable PoE power output.

◇ CCC,CE, FCC, RoHS.

◇ The user-friendly panel can show the device status through the LED indicator of PWR, Link, PoE.

◇ Plug and play, no configuration, simple and cARIOONETenient.
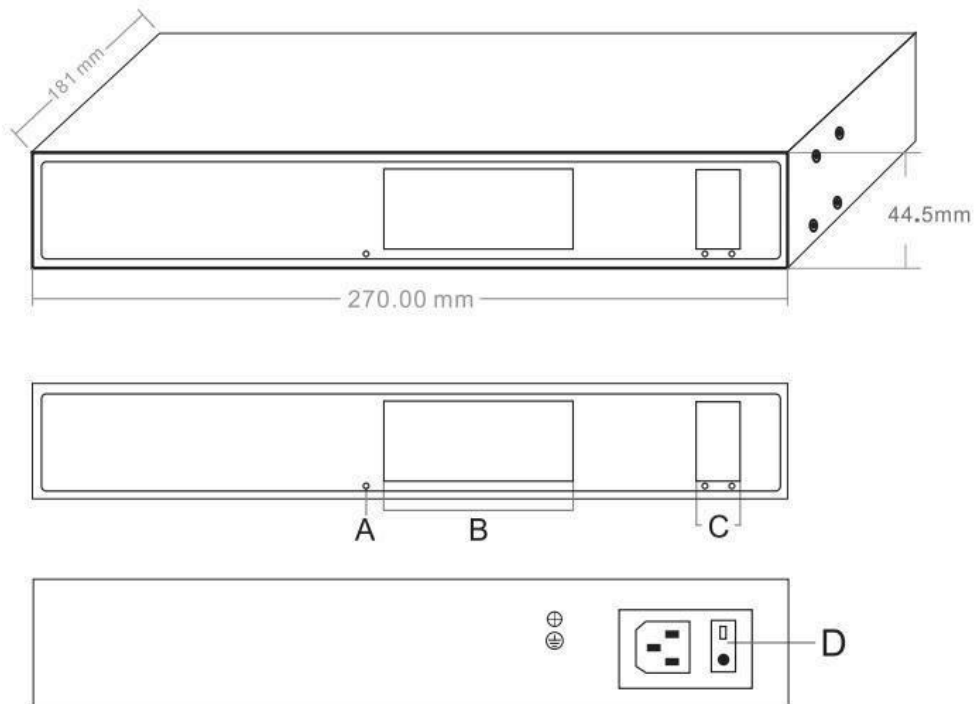
## TECHNICAL SPECIFICATION

| Model | ARIOONET-8PG2S | ARIOONET-8PG2S-at |
|---|---|---|
| **Interface Characteristics** | | |
| Fixed Port | 8*10/100/1000Base-T PoE ports (Data /Power)<br>2*1000Base-X uplink SFP ports (Data) | |
| Ethernet Port | Port 1-8 can support 10/100/1000Base-T,auto-sensing, full/half duplex<br>MDI/MDI-X | |
| Twisted Pair Transmission | 10BASE-T: Cat3,4,5 UTP(≤100 meter)<br>100BASE-TX: Cat5 or later UTP(≤100 meter)<br>1000BASE-T: Cat5e or later UTP(≤100 meter) | |
| SFP Slot Port | Gigabit SFP optical fiber interface, default matching optical modules (optional order single-mode / multi-mode, single fiber / dual fiber optical module. LC) | |
| Optical Cable | Multi-mode: 850nm 0 ~ 550M,single mode: 1310nm 0 ~ 40KM, 1550nm 0 ~ 120KM. | |
| **Chip Parameter** | | |
| Network Protocol | IEEE802.3 10BASE-T, IEEE802.3i 10Base-T<br>IEEE802.3u 100Base-TX, IEEE802.3ab 1000Base-T<br>IEEE802.3z 1000Base-X, IEEE802.3x | |
| Forwarding Mode | Store and Forward(Full Wire Speed) | |
| Switching Capacity | 20Gbps (Non-blocking) | |
| Forwarding Rate@64byte | 14.88Mpps | |
| MAC | 8K | |
| Buffer Memory | 4M | |
| Jumbo Frame | 9.6K | |
| LED Indicator | Power: PWR (green), network :Link (yellow), PoE: PoE(green), fiber | |

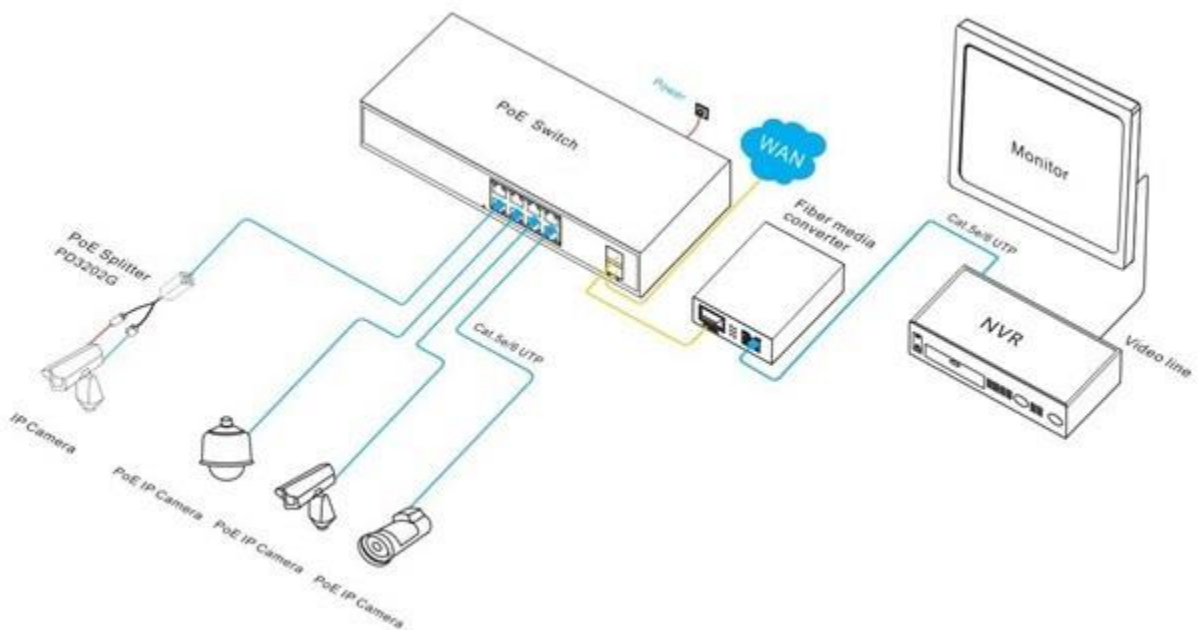| | port :L/A (green) | |
|---|---|---|
| **PoE & Power Supply** | | |
| PoE Port | Port 1 to 8 IEEE802.3af/at @ POE | |
| Power Supply Pin | Default 1/2 (+), 3/6 (-), optional 4/5 (+), 7/8 (-) | |
| Max Power Per Port | 30W; IEEE802.3af/at | |
| Total PWR / Input Voltage | 130W (AC100-240V) | 250W (AC100-240V) |
| Power Consumption | Standby<6W,Full load<120W | Standby<8W,Full load<240W |
| Power Supply | External power adapter, AC100~240V 50-60Hz 2.3A | External power adapter, AC100~240V 50-60Hz 4.1A |
| **Physical Parameter** | | |
| Operation TEMP / Humidity | -20~+55°C;5%~90% RH Non condensing | |
| Storage TEMP / Humidity | -40~+75°C;5%~95% RH Non condensing | |
| Dimension (L*W*H) | 270*181*44.5mm | |
| Net /Gross Weight | <1.3kg / <1.8kg | <1.4kg / <2kg |
| Installation | Desktop, wall mounted,19 inch 1U cabinet | |
| **Certification & Warranty** | | |
| Lightning protection / protection level | Lightning protection: 4KV 8/20us; Protection level: IP30 | |
| Certification | CCC;CE mark, commercial; CE/LVD EN60950;FCC Part 15 Class B; RoHS | |
| Warranty | 3 years, lifelong maintenance. | |

## DIMENSION



A. Working Indicator    B. 8*10/100/1000M PoE Ports

C. 2*1000M SFP Ports    D.Power Input Port AC100-240V,50/60Hz

## APPLICATION

# ORDERING INFORMATION

| Model | Description | External Power Supply |
|---|---|---|
| ARIOONET-8PG2S | Unmanaged PoE fiber switch with 8*10/100/1000M RJ45 ports and 2*1000M uplink SFP fiber slot ports, port 1-8 can support IEEE802.3af/at PoE standard. Support 1U/19 inch rack installation. | 130W |
| ARIOONET-8PG2S-at | Unmanaged PoE fiber switch with 8*10/100/1000M RJ45 ports and 2*1000M uplink SFP fiber slot ports, port 1-8 can support IEEE802.3af/at PoE standard. Support 1U/19 inch rack installation. | 250W |

**Note**: The SFP optical module is not included by default and needs to be purchased separately.

# PACKING LIST

| | CONTENT | QTY | UNIT |
|---|---|---|---|
| **PACKING LIST** | 10-port full gigabit PoE fiber switch | 1 | SET |
| | AC power cable | 1 | PC |
| | Mounting Kits(Hanging Ear) | 1 | SET |
| | User Guide | 1 | PC |
| | Warranty Card | 1 | PC |

# CONTACT US

**gostaresh karbord fanavari  Co., Ltd**

Tel: +982191090406

Email: **sale@arioonet.com**

Website: www.arioonet.com

Headquarter Address:, Yasuj, K-B, Iran