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RAYCORE

Q3-S351 V1.2E

Specification of Non-managed PoE Switch  
with 10 ports 10/100/1000M RJ45 port. Port  
1-8 can support IEEE 802.3af/at PoE standard

Part Number: AVSR-1T85-00x3A-01

# M E L B Y E



The AVSR-1T85-00x3A-01 series is a gigabit unmanaged PoE switch independently developed by Raycore. It has 10\*10/100/1000Base-T RJ45 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 110W(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 phone, building visual access control intercom, etc. through a network cable to meet the network environment that needs high-density PoE power supply. It is suitable for hotels, campuses, parks, shopping malls, scenic spots, hospitals, factory dormitory and small and medium-sized enterprise.

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

## Features

- Full gigabit access • full-line speed forwarding
  - All series support all-line high-speed forwarding, user-flexibly flexible networking, to meet the needs of various scenarios networking;
  - Support non-blocking wire speed forwarding.
  - Support full duplex based on IEEE802.3x and half duplex based on backpressure.
- Intelligent PoE power supply function
  - 8 ports 10/100/1000Base-T RJ45 ports support PoE power supply to meet the needs of PoE power supply in security monitoring, teleconferencing systems, and wireless coverage.
  - Conforms to the IEEE 802.3af/at PoE power supply standard, automatically recognizes PoE devices for power supply, without damaging non-POE devices. The maximum POE output power of the entire device reaches 110W, and the maximum POE output power of a single port is 30 W.

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- The equipment is stable and reliable
  - The host has low power consumption, no fan mute design, aluminum alloy metal shelf, excellent heat dissipation, and ensure stable operation of products.
  - The equipment fully meets the requirements of CE, FCC and RoHS safety regulations, and is safe and reliable.
  - AC/DC power supply, high redundancy design, provides long-term stable PoE power output.
- Easy to operate
  - Plug and play, no configuration, simple and convenient.
  - The user can easily understand the working status of the device through the power indicator (PWR), port status indicator (Link), and POE operation indicator.

## Specifications

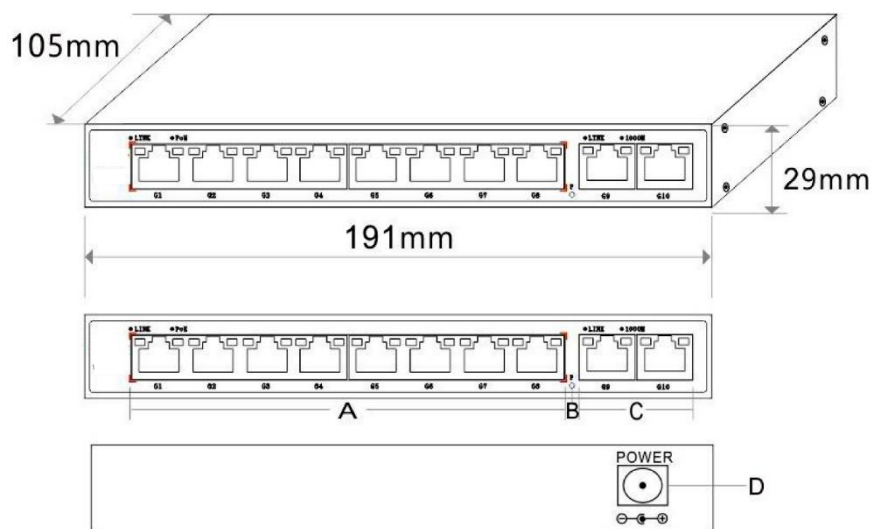
Model	AVSR-1T85-0013A-01	AVSR-1T85-0023A-01
Interface	8*10/100/1000Base-T PoE ports (Data/Power) 2*10/100/1000Base-T uplink RJ45 port (Data)	
POE port	Port1-8 can support POE @ IEEE802.3af/at	
Network Protocol	IEEE802.3 10BASE-T; IEEE802.3i 10Base-T; IEEE802.3u 100Base-TX IEEE802.3ab 1000Base-T IEEE802.3x	
PoE Standard	IEEE802.3af/at	
Ethernet Port Feature	10/100/1000 Base-T(X), auto-sensing, full/half duplex MDI/MDI-X self-adaption	
Forwarding Mode	Store and Forward (Full Wire Speed)	
Switching Capacity	20Gbps	
Forwarding Rate@64byte	14.88Mpps	
MAC	8K	
Buffer Memory	2M	
Twisted Pair Transmission	10BASE-T: Cat3,4,5 UTP (≤100 meter); 100BASE-TX: Cat5 or later UTP (≤100 meter) ; 1000BASE-T: Cat5e or later UTP (≤100 meter)	
Power Supply Pin	Default: 1/2(+),3/6(-); Optional: 4/5(+),7/8(-)	
Max /Average Power Per Port	30W/15.4W	30W/30W
Total PWR / Input Voltage	110W (DC52V)	250W(DC52V)
Power Consumption	Standby<6W; Full load<110W	Standby<8W; Full load<240W



# M E L B Y E

LED	Power Indicator: P(green) UTP Link/Act indicator: L/A(yellow) @P1 ~ P8(10/100/1000M) PoE indicator: PoE (green) @P1 ~ P8 UTP Link/Act indicator: L/A(yellow) @P9 ~ P10(10/100/1000M) 1000M(green) @P9 ~ P10(1000M Link)	
Power Supply	External power adapter AC 100~240V 50-60Hz 2.0A	External power adapter AC 100~240V 50-60Hz 4.1A
Operation TEMP / Humidity	-20~+55°C;5%~90% RH Non condensing	
Storage TEMP / Humidity	-40~+75°C;5%~95% RH Non condensing	
Product Dimension (LxWxH)	191x105x29mm	
Net / Gross Weight	<0.6kg / <1.2kg	<0.6kg / <1.4kg
Inner Box Dimensions (LxWxH)	250x205x87mm	
Installation Method	desktop type, wall mounted	
Lightning protection / protection level	Port Lightning Protection 4KV 8/20us; Protection Level: IP30	
Certification	CE mark, commercial; CE/LVD EN60950; FCC Part 15 Class B; RoHS;	

## Dimensions



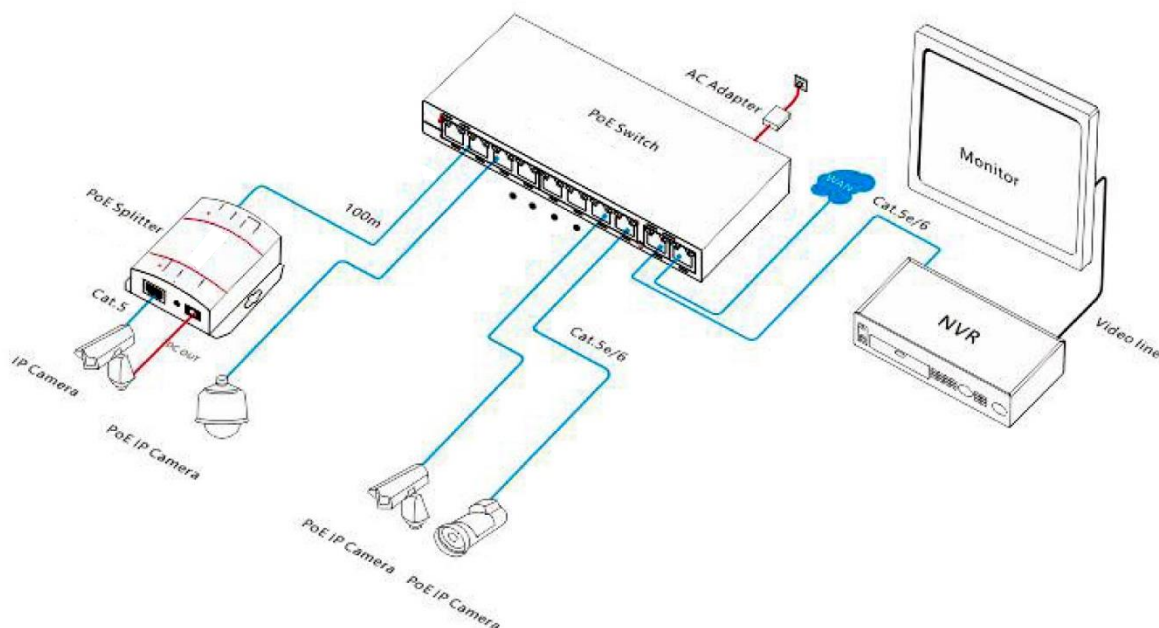
- A. 8\* PoE ports
- B. working indicator
- C. 2\*Gigabit Uplink RJ45 ports
- D. DC power input port

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### Application



### Packing list

	CONTENT	QTY	UNIT
PACKING LIST	10-port full gigabit POE Switch (AVSR-1T85-00x3A-01)	1	SET
	AC power cable + Power adapter	1	PC
	Mounting Kits (Hanging Ear)	1	SET

Note: PoE switch does not match SFP module by default. If you need to purchase it, please contact us to get more information.

### Ordering information

Part Number	Description
AVSR-1T85-0013A-01	Unmanaged PoE Switch with 10*10/100/1000M RJ45 port. Port 1-8 can support IEEE 802.3af/at PoE standard. external 110W power supply.
AVSR-1T85-0023A-01	Unmanaged PoE Switch with 10*10/100/1000M RJ45 port. Port 1-8 can support IEEE 802.3af/at PoE standard. external 250W power supply.

