

# AVE-POE16S

16-Port 100Mbps Long-Range Unmanaged PoE Switch



AMERICAN VIDEO EQUIPMENT

## KEY FEATURES

- 16 × 100 Mbps PoE ports, 1 × 1000 Mbps RJ45 port, and 1 × 1000 Mbps SFP fiber optical port.
- IEEE 802.3at/af standard.
- IEEE 802.3, IEEE 802.3u, and IEEE 802.3x standard.
- High priority ports.
- 8-core power supply.
- Up to 250 m transmission distance.
- 6 KV surge protection for PoE ports.
- PoE power management.
- 1000 Mbps network access.
- Wire-speed forwarding and non-blocking design.
- Store-and-forward switching.
- Solid high-strength metal shell.

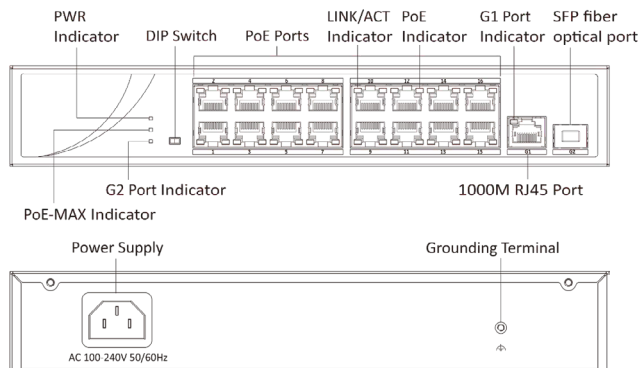


## OVERVIEW

AVE-POE16S switch is a layer 2 long-range PoE switch, providing 16 × 100 Mbps PoE ports, 1 × 1000 Mbps RJ45 port, and 1 × 1000 Mbps SFP fiber optical port. The switch provides advanced PoE technology and supports extend mode with long-range access up to 250m.

The prior and stable transmission of the important surveillance area videos can also be guaranteed when connected to the high priority ports. The switch is reliable, easy to install and maintain, and equipped with rapid switching functions. With multiple access ports, it is applicable for access or aggregation and upload of small-scale LAN devices.

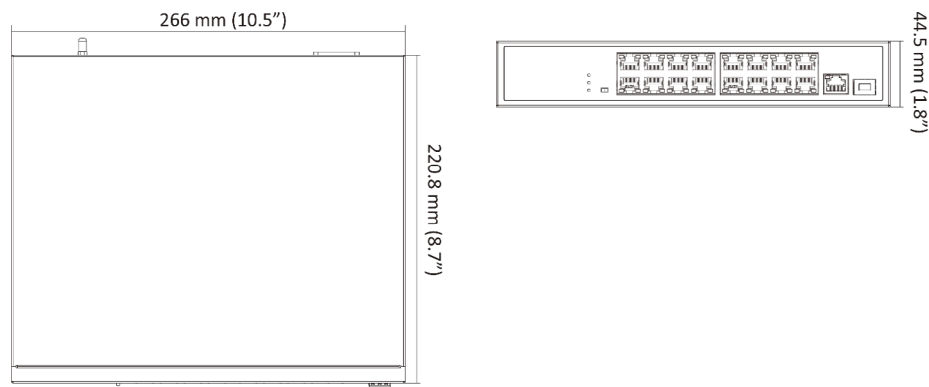
## PHYSICAL INTERFACE



Front Panel

Rear Panel

## DIMENSIONS



AVE (Europe)

13B Blanchardstown Corporate Park 1, Blanchardstown, Dublin 15, Rep. of Ireland  
Tel: +353 (1) 864 7450 Fax: +353 (1) 864 7451 Email: [eusales@ave-global.com](mailto:eusales@ave-global.com) Web: [www.ave-global.com](http://www.ave-global.com)

AVE (UK)

Endeavour House, Coopers End Road, Stansted, Essex, CM24 1SJ  
Tel: +44 (0)845 600 9323 Fax: +44 (0)845 600 9363 Email: [eusales@ave-global.com](mailto:eusales@ave-global.com) Web: [www.ave-global.com](http://www.ave-global.com)

AVE (USA)

2300 Central Parkway, Suite C, Houston, Texas TX 77092  
Tel: +1 (281) 443 2300 Fax: +1 (281)-443-8915 Email: [usasales@ave-global.com](mailto:usasales@ave-global.com) Web: [www.ave-global.com](http://www.ave-global.com)

AVE (Asia)

147 Soi OnNut44, (Sampheonong Villa), Sukhumvit 77Rd., Suanluang, Suanluang, Bangkok 10250 Thailand.  
Tel: +662-331-9285 Fax: +662 331 9365 Email: [ave@avethailand.com](mailto:ave@avethailand.com) Web: [www.avethailand.com](http://www.avethailand.com)

# AVE-POE16S

16-Port 100Mbps Long-Range Unmanaged PoE Switch



AMERICAN VIDEO EQUIPMENT

## SPECIFICATIONS

MODEL	AVE-POE16S	
Network parameters	Port number	16 × 100 Mbps PoE ports, 1 × 1000 Mbps RJ45 port, and 1 × 1000 Mbps SFP fiber optical port
	Port type	RJ45 port, full duplex, MDI/MDI-X adaptive
	Standard	IEEE 802.3, IEEE 802.3u, IEEE 802.3x
	Forwarding mode	Store-and-forward switching
	Working mode	Standard mode (default); Extend mode
	High priority ports	Ports 1 to 8
	Ports for long-distance transmission	Ports 9 to 16
	MAC address table	4 K
	Switching capacity	7.2 Gbps
	Packet forwarding rate	5.356 Mpps
	Internal cache	2.75 Mbits
	PoE standard	IEEE 802.3af, IEEE 802.3at
PoE power supply	PoE power pin	Ports for long-distance transmission (9-16) support 8-core power supply, Ethernet cable 1/2/3/6 and 4/5/7/8 provide simultaneous power supply. Ports for close-range transmission (1-8) support 4-core power supply, Ethernet cable 1/2/3/6 provide power supply.
	PoE port	Ports 1 to 16
	Max. port power	30 W
	PoE power budget	130 W
	Max. power consumption	150 W
General	Shell	Metal material
	Gross weight	2.58 kg (5.69 lb)
	Net weight	1.8 kg (4.0 lb)
	Dimension (L × H × D)	266 mm × 44.5 mm × 220.8 mm (10.5" × 1.8" × 8.7")
	Operating temperature	-10 °C to 55 °C (14 °F to 131 °F)
	Storage temperature	-40 °C to 85 °C (-40 °F to 185 °F)
	Operating humidity	5% to 95% (no condensation)
	Storage humidity	5% to 95% (no condensation)
	Power supply	100 to 240 VAC, 50/60 Hz, Max. 2.5 A
	Power consumption in idle	20 W



AMERICAN VIDEO EQUIPMENT

**AVE (Europe)** 13B Blanchardstown Corporate Park 1, Blanchardstown, Dublin 15, Rep. of Ireland  
 Tel: +353 (1) 864 7450 Fax: +353 (1) 864 7451 Email: eusales@ave-global.com Web: www.ave-global.com

**AVE (UK)** Endeavour House, Coopers End Road, Stansted, Essex, CM24 1SJ  
 Tel: +44 (0)845 600 9323 Fax: +44 (0)845 600 9363 Email: eusales@ave-global.com Web: www.ave-global.com

**AVE (USA)** 2300 Central Parkway, Suite C, Houston, Texas TX 77092  
 Tel: +1 (281) 443 2300 Fax: +1 (281)-443-8915 Email: usasales@ave-global.com Web: www.ave-global.com

**AVE (Asia)** 147 Soi OnNut44, (Sampheengong Villa), Sukhumvit 77Rd., Suanluang, Suanluang, Bangkok 10250 Thailand.  
 Tel: +662-331-9285 Fax: +662 331 9365 Email: ave@avethailand.com Web: www.avethailand.com