

# ESP-9110

**1U Rackmount Enterprise-Class Switch  
with combo port flexibility:  
16 x 100BASE-T/TX, 24 x GbE SFP &  
4 x 10GbE SFP+**

**NEW**



## Features

- Switching architecture with 24 x GbE ports and 4 x 10GbE ports
- 16 x gigabit combo ports (1000BASE-T/TX or GbE SFP)
- 2 x redundant power 110 ~ 220 V<sub>AC</sub> input
- Fanless design
- Hardware-ready IEEE1588 PTPv2 with 1-step precision clock
- 128 Gbps switch fabric supported
- Embedded hardware monitor
- SDN Support



## Introduction

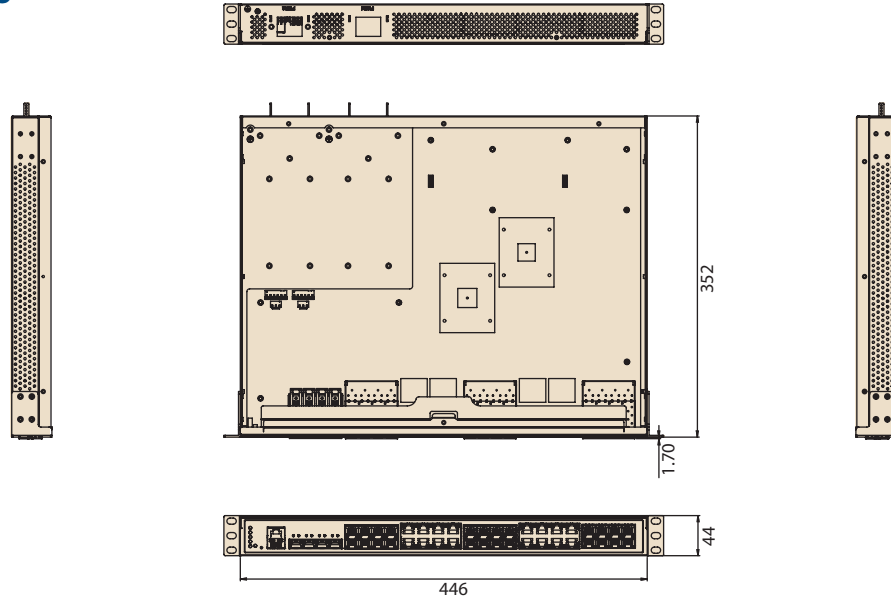
The ESP-9110 Enterprise-Class switch represents the entry level of Advantech's white box switch portfolio. It integrates Layer 2 switching software optimized to meet the connectivity and performance requirements of cloud data centers, with 16 gigabit Ethernet combo ports, 8 SFP ports and 4 SFP+ ports offering greater installation flexibility. The ESP-9110 meets small data center requirements, delivering wire speed across all ports at up to 128 Gbps for Layer 2 traffic forwarding. In addition, the fanless convection design provides a higher degree of reliability, making it suitable for data centers operating at temperatures up to 45°C, while two 110-220 VAC input, built-in, redundant power modules ensure vital network capabilities for higher levels of availability. The ESP-9110 meets data center requirements for top-of-rack deployment; the switch can also be deployed to form a spine network, providing a high performance and cost-effective data center fabric that supports Software Defined Networking (SDN). The ESP-9110, when delivered with Advantech's SDN software framework supports multiple protocols on the southbound interface, including Broadcom OF-DPA, OpenFlow and Indigo, allowing the ESP-9110 to be deployed as a physical switch under full SDN control.

## Specifications

Interface	I/O Port	4 x 10GbE SFP+ slot 8 x 100/1000BaseFX(X) SFP 16 x Gigabit Combo Port (Gigabit 10/100/1000Base-T(X) or 100/1000BaseFX(X) SFP
	Console port	RJ-45
	F/W backup port	USB
	Power Connector	AC Socket or 3-Pin Screw Terminal Block
Physical	Enclosure	Metal Shell
	Installation	Rack-Mount
	Dimensions (WxHxD)	446 x 44 x 352 (mm)
LED Display	System LED	PWR1, PWR2, SYS, CFG and Custom Defined
	Port LED	Link / Activity / Speed
Environment	Operating Temperature	-10 ~ 45° C
	Storage Temperature	-40 ~ 85° C
	Ambient Relative Humidity	5 ~ 95% (non-condensing)
Power	Power Consumption	~72Watts Max
	Power Input	110 ~ 220 V <sub>AC</sub> Redundant Inputs

## Dimensions

Unit: mm

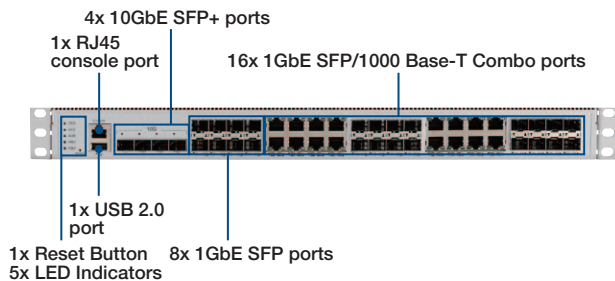


## Ordering Information

Part number	Description	Product Status
ESP-9110FOAF0E-ES	Layer 2 Fastpath, 8 x GbE SFP slot + 16 x GbE Combo Port + 4 x (10GbE SFP+ slot) w/ 110 ~ 220 V <sub>AC</sub> Redundant Power Input	Engineer sample
ESP-9110-FOAF0E	Layer 2 Fastpath, 8 x GbE SFP slot + 16 x GbE Combo Port + 4 x (10GbE SFP+ slot) w/ 110 ~ 220 V <sub>AC</sub> Redundant Power Input	Mass Production
ESP-9110-FOAS0E	Advantech SDN package, 8 x GbE SFP slot + 16 x GbE Combo Port + 4 x (10GbE SFP+ slot) w/ 110 ~ 220V <sub>AC</sub> Redundant Power Input	Mass Production

Contact our sales for more pricing & ordering information.

## Front View



## Rear View

