

ES0154P

54-Port Layer 2+ Gigabit Ethernet Managed Switch with PoE



The ES0154P 54-Port Layer 2+ Gigabit Ethernet Managed Switch is ideal for installation with ATEN KVM over IP products. It simplifies the process of building OT infrastructure with the ATEN KVM over IP series by eliminating the complexities of setup. It provides a high-performance 54-port configuration, a complete array of L2+ features, and advanced functionalities including Layer 3 static route, DHCP server, IPv6 support, and LLDP, making it a versatile solution for enhancing network performance. It offers a combination of SFP28 (fiber) and RJ-45 (copper) ports for servicing a range of network needs.

The ES0154P supports 6 (1G/10G/25G) SFP28, 48 (10M/100M/1G) RJ-45 with PoE+ (Support 802.3at/af) ports, and PoE++ (Support 802.3bt) ports (41-48 ports only). The ES0154P is equipped with Power over Ethernet (PoE) functionality, featuring a substantial 740 Watts power budget distributed across its 48 RJ-45 ports. This eliminates the necessity for external power adapters and leads to a substantial reduction in power configuration expenses.

Deploying the ES0154P is quick and hassle-free. Its plug-and-play design eliminates the need for software installation or device configuration. Just connect the transmitters and receivers to the ES0154P using Cat 5e/6 cables. With a full range of functions to help with optimizing network efficiency, manageability and reliability for their network environment, the ES0154P serves as an ideal network switch solution. It is particularly valuable in applications where connected devices play a critical role in network operation, including OT infrastructure for both SMBs and enterprises.

Compatible SFP+ Modules for ES Series Ethernet Switches

ATEN	2A-141G	2A-142G
	(10 Gbps Duplex LC 850nm 300m, Multi Mode Fiber)	(10 Gbps Duplex LC 1310nm 10km, Single Mode Fiber)
Edge Core	ET7302-SR	ET7302-LR
	(25.78 Gbps Duplex LC 850nm 100m, Multi Mode Fiber)	(25.78 Gbps Duplex LC 1310nm 10km, Single Mode Fiber)
FS	SFP28-25GSR-85-I	SFP28-25GLR-31-I
	(25.78 Gbps Duplex LC 850nm 100m, Multi Mode Fiber)	(25.78 Gbps Duplex LC 1310nm 10km, Single Mode Fiber)

Features

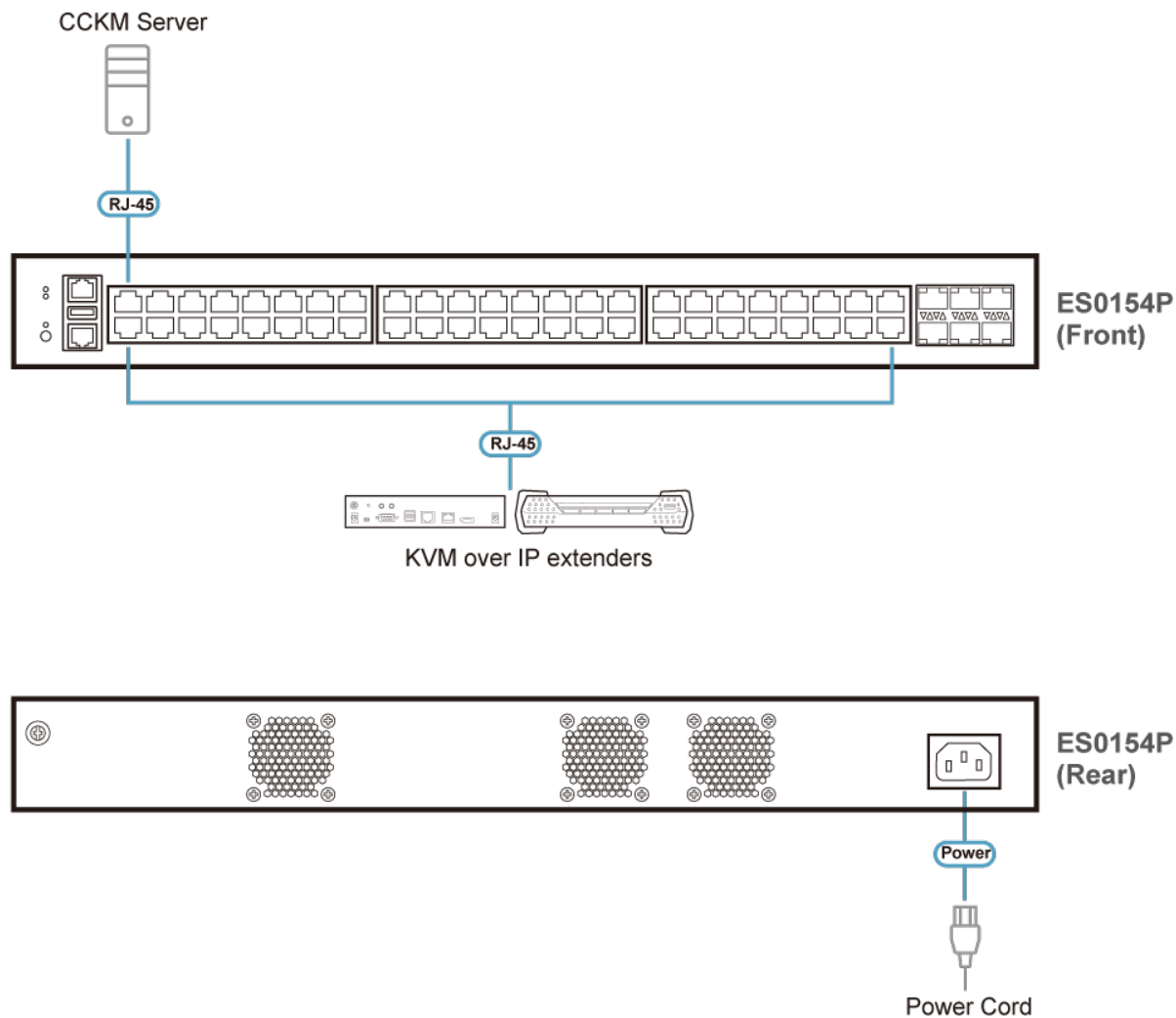
- Supports plug-and-play with KE, VE89 series devices
- Supports 48 Gigabit Ethernet ports and 6 SFP28 uplink ports (up to 25Gbps)
- High-performance Gigabit Ethernet L2+ access switch with 396 Gbps switching capacity – significantly improve the responsiveness of applications and file transfer times
- 802.3af PoE / 802.3at PoE+ / 802.3bt PoE++ (41-48 ports only) port configuration and scheduling
- Supports IGMP v1/v2/v3 Snooping and IGMP v1/v2 Querier
- Supports IGMP Snooping Fast Leave
- Supports Flow Control
- Comprehensive QoS – allowing the marking, classification, and scheduling of up to four traffic types across the network
- Enhanced Security – Port Security limits the total number of devices using a switch port and protects against MAC flooding attacks
- Supports IEEE 802.1w Rapid Spanning Tree Protocol – ensuring a faster recovery from failed links and enhancing overall network stability and reliability
- Supports IPv4, IPv6

Specification

Connectors	
RJ-45 10/100/1000 Ports	48
SFP28 Uplink Ports	6
Console Ports	1 x RJ45
Remote Console	1 X RJ45
USB Port	1
Performance	
Switching Capacity	396 Gbps
Forwarding Rate	295 Mpps
Flash Memory	256 MB
DRAM	1GB
MAC Address Table Size	32K
Jumbo Frames	10 KB
Auto-negotiation	Yes
Maximum Input Power Rating	100-240V AC,50-60Hz
Power Consumption	835W (MAX) 2BTU/h 849BTU/h Note: ● The measurement in Watts indicates the typical power consumption of the device with no external loading. ● The measurement in BTU/h indicates the power consumption of the device when it is fully loaded.
Power over Ethernet (PoE)	
Standard compliance	802.3af PoE / 802.3at PoE+ / 802.3bt PoE++ (41-48 ports only)
Number of Ports That Support PoE/PoE+	48 ports
Total PoE Power budget	740W
Max. PoE Power budget per port	PoE : 15.4W/ PoE+: 30W / PoE++: 90W(41-48 ports only)
Environmental	
Operating Temperature	-5–45°C
Storage Temperature	-40–70°C
Humidity	5%–95% RH, Non-condensing
Physical Properties	
Rack Space	19"
Housing	Metal
Weight	5.42 kg (11.94 lb)
Dimensions (L x W x H)	44.20 x 42.00 x 4.36 cm (17.4 x 16.54 x 1.72 in.)
Carton Lot	1 pc
Note	For some of rack mount products, please note that the standard physical dimensions of WxDxH are expressed using a LxWxH format.

Diagram

► Diagram



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