

DS-3E0524TF Switch

Introduction

The Hikvision DS-3E0524TF Series Unmanaged Switch is layer 2 network switches, providing 12 Gigabit Ethernet electrical ports and 12 Gigabit SFP fiber optical port. It is reliable, easy to install and maintain, and equipped with rapid switch function. It has multiple access ports, and is applicable for access or aggregation and upload of small-scale LAN devices. It applies to center area and can access to camera and NVR, in charge of small-scale core data exchange.



Features and Functions

- Gigabit network data-exchange
- 12 Gigabit Ethernet electrical ports and 12 Gigabit Ethernet
 SFP fiber optical port
- 10/100/1000M BaseT (X)(RJ45 ports)
- IEEE802.3, IEEE802.3u and IEEE802.3x network standards available
- Store-and-forward switch
- Delay of data-exchange less than 5us
- Wide temperature Range: -5 ~ 50 °C
- Solid metal chassis of high strength
- 19 Inches 1U standards rack installation

Applicable Models

DS-3E0524TF



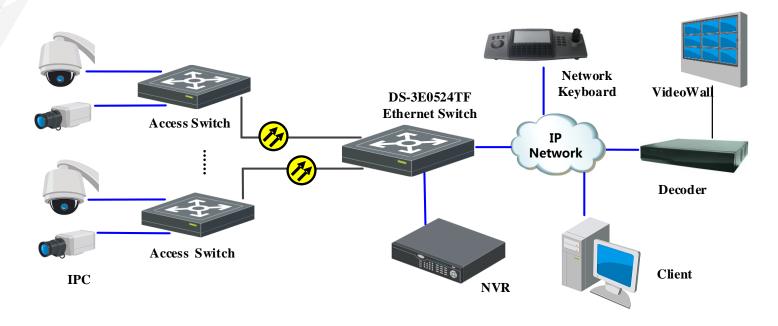


Specifications

Network parameters	Model	DS-3E0524TF
Electrical ports: RI45, Full/half duplex, MDI/MDI-X self-adptive	Network parameters	
Fiber optical port: SFP packaging Standard IEEE802.3, IEEE802.3a, IEEE802.3x Processing type Store-and-forward switching Priority queue 8 Mac address table 16 K Switching bandwidth Packet forwarding rate 11 Methanical structure Shell Metal material Weight 2.5 kg 404 × 44.5 × 186.5 mm (1.7 × 1.8 × 7.3 inch) (1.7 × 1.8 × 7.3 inch) Environment Operating temperature 40 °C to +85 °C (-40 °F to +185 °F) temperature 5 % to 95% (no condensation) Power supply 20 VAC Consumption 4 30 W Safety and reliability ElectroSTatic Contact discharge: ±9 KV Surge Power port: line-ground ±2 KV, line-line 1 KV Methanical 5x0 C 1 and 5x	Port number	12 Gigabit Ethernet electrical ports and 12 Gigabit SFP fiber optical port
Processing type Priority queue 8 Mac address table 16 K Switching bandwidth Packet forwarding rate Internal cache Internal cache Mechanical structure Shell Metal material Weight 2.5 kg Dimensions (L×H×D) (17.3×1.8×7.3 inch) Environment Operating temperature Storage temperature Storage temperature Storage temperature Storage temperature Fower supply Power supply Power supply ElectricsTatic Discharge (ESD) Surge Power port: line-ground ±2 KV Electrical fast Power port: ±2 KV	Port type	
Priority queue 8 Mac address table Switching 48 Gbps Backet forwarding rate Internal cache 12 Mbit Mechanical structure Shell Metal material Weight 2.5 kg Dimensions 440 × 44.5 × 186.5 mm (1 x H × D) (17.3 × 1.8 × 7.3 inch) Environment Operating temperature Storage temperature Humidity 5% to 95% (no condensation) Power supply Power supply Power supply Power supply ElectrosTatic Contact discharge: ±7 KV Discharge (ESD) Air discharge: ±9 KV Electrical fast Power port: line-ground ±2 KV, line-line 1 KV Network port: line-ground ±2 KV Electrical fast Power port: ±2 KV	Standard	IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3x
Mac address table 16 K Switching bandwidth Packet forwarding rate 48 Gbps Internal cache 35.7 Mpps Internal cache 12 Mbit Mechanical structure Weight Shell Metal material Weight 2.5 kg Dimensions 440 × 44.5 × 186.5 mm (t. × H × D) (17.3 × 1.8 × 7.3 inch) Environment Operating temperature -5 °C to +50 °C (+23 °F to +122 °F) Storage temperature -40 °C to +85 °C (-40 °F to +185 °F) humidity 5% to 95% (no condensation) Power supply 220 VAC Consumption ≤ 30 W Safety and reliability ElectroSTatic Contact discharge: ±7 KV Discharge (ESD) Air discharge: ±9 KV Surge immunity(Surge) Power port: line-ground ±2 KV, line-line 1 KV Inmunity(Surge) Power port: line-ground ±2 KV	Processing type	Store-and-forward switching
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bandwidth Packet forwarding rate Internal cache Internal cache Internal cache Mechanical structure Shell Metal material Weight 2.5 kg Dimensions (L×H×D) (17.3 × 1.8 × 7.3 inch) Environment Operating temperature Storage temperature Storage temperature The storage of the		16 K
Solution		48 Gbps
Mechanical structure Shell Metal material Weight 2.5 kg Dimensions 440 × 44.5 × 186.5 mm (L × H × D) (17.3 × 1.8 × 7.3 inch) Environment Operating temperature Storage temperature -40 °C to +85 °C (-40 °F to +185 °F) humidity 5% to 95% (no condensation) Power supply 220 VAC Consumption ≤ 30 W Safety and reliability ElectroSTatic Contact discharge: ±7 KV Discharge (ESD) Air discharge: ±9 KV Surge Power port: line-ground ±2 KV, line-line 1 KV immunity(Surge) Network port: line-ground ±2 KV Electrical fast Power port: ±2 KV		35.7 Mpps
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Safety and reliability ElectroSTatic Contact discharge: ±7 KV Discharge (ESD) Air discharge: ±9 KV Surge Power port: line-ground ±2 KV, line-line 1 KV immunity(Surge) Network port: line-ground ±2 KV Electrical fast Power port: ±2 KV	Power supply	220 VAC
ElectroSTatic Contact discharge: ±7 KV Discharge (ESD) Air discharge: ±9 KV Surge Power port: line-ground ±2 KV, line-line 1 KV immunity(Surge) Network port: line-ground ±2 KV Electrical fast Power port: ±2 KV	Consumption	≤ 30 W
Discharge (ESD) Air discharge: ±9 KV Surge Power port: line-ground ±2 KV, line-line 1 KV immunity(Surge) Network port: line-ground ±2 KV Electrical fast Power port: ±2 KV	Safety and reliability	
Surge Power port: line-ground ±2 KV, line-line 1 KV immunity(Surge) Network port: line-ground ±2 KV Electrical fast Power port: ±2 KV	ElectroSTatic	Contact discharge: ±7 KV
immunity(Surge) Network port: line-ground ±2 KV Electrical fast Power port: ±2 KV	Discharge (ESD)	Air discharge: ±9 KV
Electrical fast Power port: ±2 KV	Surge	Power port: line-ground ±2 KV, line-line 1 KV
	immunity(Surge)	Network port: line-ground ±2 KV
	Electrical fast	Power port: ±2 KV
transient(EFT) Network port: ±1 KV	transient(EFT)	



Typical Application



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