DS-3E3754TF
54 Port 10 G L3 Switch



DS-3E3754TF switch is a new generation converged 10 Gigabit switch launched by our company for the next generation IP Metropolitan area network, large park network and enterprise network. Based on the new generation of high-performance hardware and software platform with independent intellectual property rights, DS-3E3754TF further integrates IPv6, MPLS VPN, network security and other network services, and combines a variety of high reliability technologies such as uninterrupted upgrade, uninterrupted forwarding, elegant restart and redundancy protection on the basis of providing high-performance L2 / L3 / L4 line speed switching services, So as to ensure the uninterrupted communication ability of the network for the longest time

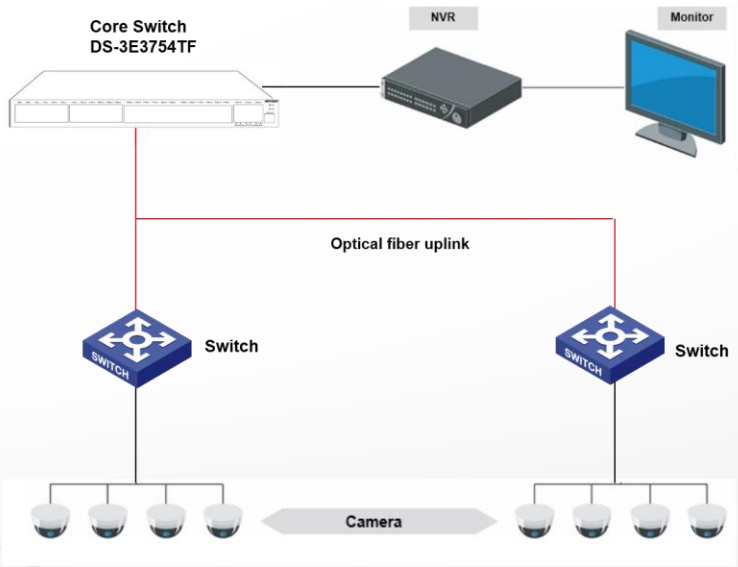
- 24 Gigabit electrical ports, 24 Gigabit SFP optical ports and 6 10 Gigabit SFP + optical ports.
- Support static routing, policy routing, rip, OSPF,BGP,MPLS and other three-layer routing protocols.
- IGMP snooping and GRMP for filtering multicast traffic.
- Port-based VLAN, IEEE 802.1Q VLAN, and GVRP to ease network planning.
- Support IEEE 802.1x authentication, radius and bdtacacs + authentication.
- Support DHCP Server、DHCP Relay、DHCP Snooping.
- Support EAPs and ERPs Ethernet ring network protection protocol.
- QoS (IEEE 802.1P/1Q and TOS/DiffServ) to increase determinism.
- Easy network management by web browser, Console, Telnet, SSH.
- SNMPv1/v2c/v3 for different levels of network management.
- The switch series supports hardware level encryption technology MACsec (802.1ae), which is an industry-standard security technology that provides secure communication for all traffic on Ethernet links. MACsec provides point-to-point security on Ethernet links between directly connected nodes and is capable of identifying and preventing most security threats.

▪ Specification

General	
Shell	Iron shell, fan cooling design
Net Weight	5.5 kg (12.13 lb)
Dimensions (W × H × D)	440.00 mm × 44.00 mm × 350.00 mm (17.32'' × 1.73'' × 13.78'')
Operating Temperature	0 °C to 50 °C (32 °F to 122 °F)
Storage Temperature	-20 °C to 70 °C (-4 °F to 158 °F)
Operating Humidity	10% to 90% (no condensation)
Relative Humidity	5% to 95% (no condensation)
Power Consumption in Idle	75 W
Network Parameters	
Ports	24 × 1 Gigabit RJ45 port,24 × 1 Gigabit fiber optical port,6 × 10 Gigabit fiber optical port
Forwarding Mode	Store-and-forward switching
MAC Address Table	32 K
Switching Capacity	Whole-Device Performance: 598 Gbps Port Performance: 598 Gbps
Packet Forwarding Rate	Whole-Device Performance: 252 Mpps Port Performance: 252 Mpps
Software Function	
Device Maintenance	Support Console, Telnet, SSH Support web, http, https Support FTP, TFTP, Xmodem, SFTP Support SNMP V1/V2c/V3 Support RMON Support NTP
Reliability	Support STP/RSTP/MSTP Support EAPS/MEAPS Support MRD-Ring Support ERPS Support VRRP Support BFD for OSPF Support BFD for BGP
VLAN	Support IEEE 802.1Q (VLAN), 4096 VLAN IDs Support GVRP Support QinQ Support VLAN based on MAC/protocol/IP subnet/policy/port Support Private VLAN Support 1:1 and N:1 VLAN mapping functions
Port Mirroring	Support local and remote port mirroring Support N:4 port mirroring Support flow mirroring Support MAC mirroring

Routing Feature	Support static routing, RIP, OSPF, BGP, MPLS Support IPv4/IPv6 ECMP Support VRRP, VRRP v3 Support IPv4/IPv6 policy-based routing Support IPv4/IPv6 routing policy Support IPv4/IPv6 dual stack Support IPv6 static routing, RIPng, OSPFv3
QoS	Support Diff-Serv QoS Support 802.1p/DSCP priority mapping Support queue scheduling including SP, WRR, WFQ, SP+WRR, SP+WFQ Support priority marking and remarking Support traffic shaping Support congestion avoidance, Tail-Drop and WRED Support 802.1p, TOS, DSCP, and EXP priority mapping Support port/flow-based rate limiting
Multicast	Support IGMP v1/v2/v3 Snooping Support IGMP V1/V2/V3 Support MLD Snooping v1/v2 Support MLD v1/v2
ACL	Support IP-based ACL/MAC-based ACL Support based on MAC Address, IP Address, Ethertype, Protocol Type, VLAN ID, DSCP, 802.1p Priority Support up to 256 ACLs
Link Aggregation	Support IEEE 802.3ad LACP/static link aggregation
Security	Support AAA,TACACS+ Radius authentication Support 802.1X authentication, MAC authentication, MAC bypass authentication Support to prevent DOS, ARP attack function, ICMP anti attack Support binding of IP, MAC, port and VLAN Support MAC authentication Support MAC address filtering Support broadcast/multicast/unknown-unicast storm control

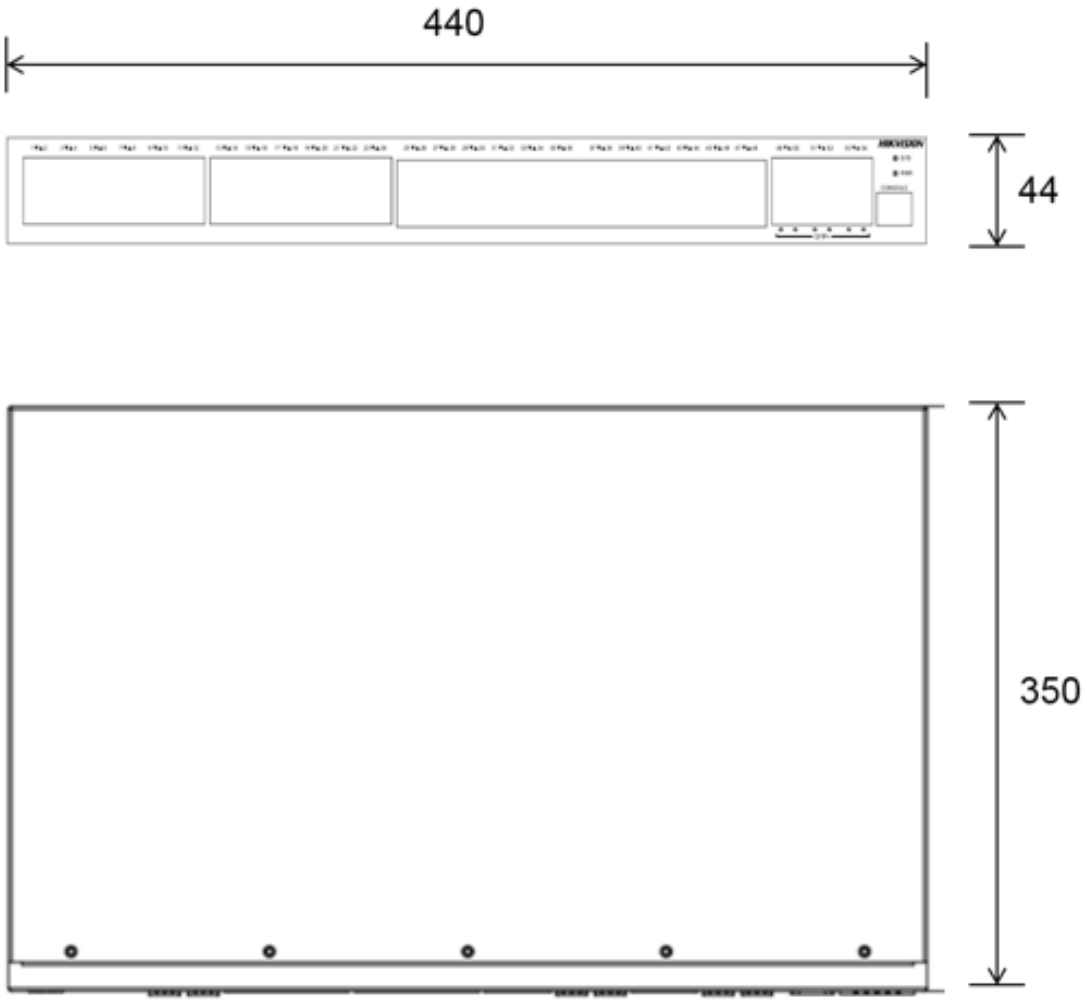
▪ Typical Application



▪ Available Model

DS-3E3754TF

▪ Dimension



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