

## Datasheet

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### Overview

Huawei S3700-28TP-EI-DC is next-generation Layer 3 Ethernet switch which supports IP multicasting and complex routing protocols (Static route, RIPv1, RIPv2, and ECMP, OSPF, IS-IS, and BGP).

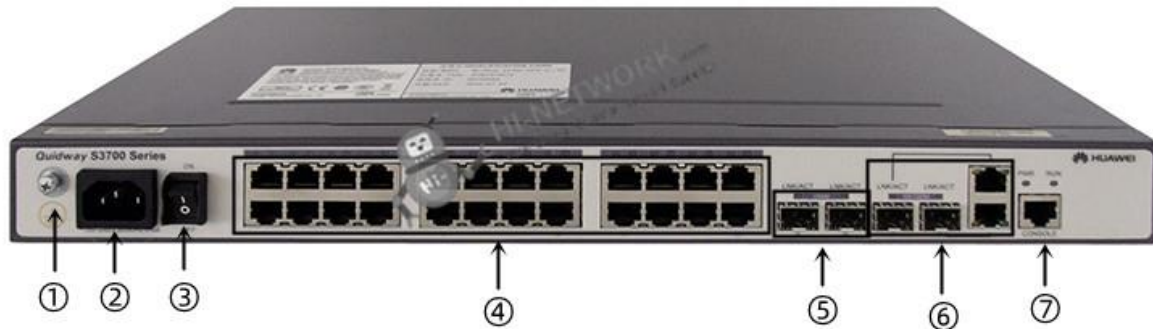
### Quick Specification

Model	S3700-28TP-EI-DC
Part Number	02352349
Downlink Ports	24 x 10/100 Base-TX ports
Uplink Ports	2 x 1,000 Base-X SFP Ports 2 x Gigabit Combo Ports (10/100/1,000 Base-T or 100/1,000 Base-X)
MAC Address	16K MAC address entries
VLAN	4K
Forwarding Performance	9.6 Mpps
Switching Capacity	64 Gbit/s
Dimensions (W x D x H)	44.2 cm x 22 cm x 4.36 cm

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### Product Details:

#### The Front Panel:



①	Ground Screw
②	DC Power Terminals
③	Power Switch
④	24 x 10/100BASE-TX Ethernet Electrical Ports
⑤	2 x 1000BASE-X Ethernet optical interfaces
⑥	2 x Gigabit Combo Ports
⑦	One Console Port

#### The Back Panel:



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### The Accessories for S3700-28TP-EI-DC

#### Recommended Optical Transceivers:

Models	Description
<a href="#">S-SFP-FE-LH40-SM1310</a>	Optical Transceiver, eSFP, FE, Single-mode Module (1310nm, 40km, LC)
SFP-FE-LX-SM1310-BIDI	Optical Transceiver, eSFP, FE, BIDI Single-mode Module (TX1310/RX1550, 15km, LC)
<a href="#">S-SFP-FE-LH80-SM1550</a>	Optical Transceiver, eSFP, FE, Single-mode Module (1550nm, 80km, LC)
<a href="#">SFP-FE-LX-SM1550-BIDI</a>	Optical Transceiver, eSFP, FE, BIDI Single-mode Module (TX1550/RX1310, 15km, LC)
<a href="#">SFP-FE-SX-MM1310</a>	Optical Transceiver, SFP, 100M/155M, Multi-mode Module (1310nm, 2km, LC)
<a href="#">eSFP-FE-LX-SM1310</a>	Optical Transceiver, eSFP, 100M/155M, Single-mode Module (1310nm, 15km, LC)

#### GE Optical Transceivers:

Models	Description
<a href="#">LE2MGSC40ED0</a>	Optical Transceiver, eSFP, GE, BIDI Single-mode Module (TX1490/RX1310, 40km, LC)
<a href="#">SFP-GE-BXU1-SC</a>	1000Base,BIDI Optical Transceiver, SFP, GE, Single-mode Module (TX1490nm/RX1310nm, 10km, SC)
<a href="#">SFP-GE-LX-SM1490-BIDI</a>	Optical Transceiver, eSFP, GE, BIDI Single-mode Module (TX1490/RX1310, 10km, LC)
SFP-GE-ZBXDI	Optical Transceiver, eSFP, GE, BIDI Single-mode Module (1570nm (Tx) / 1490nm (Rx), 80km, LC)
SFP-GE-ZBXU1	Optical Transceiver, eSFP, GE, BiDi Single-mode Module (1490nm (Tx) / 1570nm (Rx) ,80km, LC)
<a href="#">eSFP-GE-SX-MM850</a>	Optical Transceiver, eSFP, GE, Multi-mode Module (850nm, 0.5km, LC)
<a href="#">eSFP-GE-ZX100-SM1550</a>	Optical Transceiver, eSFP, GE, Single-mode Module (1550nm, 100km, LC)

#### GE-CWDM Optical Transceivers:

Models	Description
<a href="#">CWDM-SFPGE-1471</a>	CWDM Optical Transceiver, eSFP, 2.5G,Single-mode Module (1471nm, 80km, LC)
<a href="#">CWDM-SFPGE-1491</a>	CWDM Optical Transceiver, eSFP, 2.5G, Single-mode Module (1491nm, 80km, LC)
<a href="#">CWDM-SFPGE-1511</a>	CWDM Optical Transceiver, eSFP, 2.5G, Single-mode Module (1511nm, 80km, LC)
<a href="#">CWDM-SFPGE-1611</a>	CWDM Optical Transceiver, eSFP, 2.5G, Single-mode Module (1611nm, 80km, LC)

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## Compare to Similar Items

Models	<a href="#">S3700-28TP-EI-DC</a>	<a href="#">S3700-28TP-EI-MC-AC</a>	<a href="#">S3700-28TP-PWR-EI</a>
Downlink Ports	24 x 10/100 Base-TX ports	24 x 10/100 Base-TX ports	24 x 10/100 Base-TX ports
Uplink Ports	2 x 1,000 Base-X SFP ports, and 2 gigabit combo ports	2 x 1,000 Base-X SFP ports, 2 monitor ports, and 2 gigabit combo ports	2 x 1,000 Base-X SFP ports, and 2 gigabit combo ports
Power Supply	DC power supply	AC power supply	AC power supply
PoE Support	N/A	N/A	PoE+

Get more information:

Do you have any question about the S3700-28TP-EI-DC 02352349?

Contact us now via e-mail: [info@hi-network.com](mailto:info@hi-network.com)

## Specific Data Sheet:

Part Number	S3700-28TP-EI-DC
Model	02352349
Ports description	24*10/100Base-TX; 2*1000Base-X, 2*GE Combo
MAC address table	IEEE 802.1d compliance 16K MAC address entries MAC address learning and aging Static, dynamic, and blackhole MAC address entries Packet filtering based on source MAC addresses
VLAN	4K VLANs Guest VLANs, voice VLAN, and super VLAN MUX VLAN and GVRP VLAN assignment based on MAC addresses, protocols, and IP subnets QinQ Selective QinQ 1:1 VLAN mapping N:1 VLAN mapping
Reliability	RRPP (ring topology, intersecting rings, and multi-instance), implementing protection switchover within 50 ms Smart Link tree topology and Smart Link multi-instance, providing the millisecond-level protection switchover STP(IEEE 802.1d), RSTP(IEEE 802.1w), and MSTP(IEEE 802.1s) BPDU protection, root protection, and loop protection Smart Ethernet Protection (SEP)

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	<p>BFD for OSPF, BFD for IS-IS, BFD for VRRP, and BFD for PIM</p>
IP routing	<p>Static routing, RIPv1, RIPv2, and ECMP</p> <p>OSPF, IS-IS, and BGP</p>
IPv6 features	<p>Neighbor Discovery (ND)</p> <p>Path MTU (PMTU)</p> <p>IPv6 ping, IPv6 tracer, and IPv6 Telnet</p> <p>Manually configured tunnel</p> <p>6to4 tunnel</p> <p>ISATAP tunnel</p> <p>ACLs based on the source IPv6 address, destination IPv6 address, Layer 4 ports, or protocol type</p> <p>MLD v1/v2 snooping</p>
Multicast	<p>1 K multicast groups</p> <p>IGMP v1/v2/v3 snooping and IGMP fast leave</p> <p>Multicast VLAN and multicast replication between VLANs</p> <p>Multicast load balancing among member ports of a trunk</p> <p>Controllable multicast</p> <p>Port-based multicast traffic statistics</p> <p>IGMP v1/v2/v3, PIM-SM, PIM-DM and PIM-SSM</p>
QoS/ACL	<p>Rate limiting on packets sent and received by an interface</p> <p>Packet redirection</p> <p>Port-based traffic policing and two-rate three-color CAR</p> <p>Eight queues on each port</p> <p>WRR, DRR, SP, WRR+SP, and DRR+SP queue scheduling algorithms</p> <p>Re-marking of the 802.1p priority and DSCP priority</p> <p>Packet filtering on Layers 2 through 4, filtering out invalid frames based on the source MAC address, destination MAC address, source IP address, destination IP address, port number, protocol type, and VLAN ID</p> <p>Rate limiting in each queue and traffic shaping on ports</p>
Security	<p>User privilege management and password protection</p> <p>DoS attack defense, ARP attack defense, and ICMP attack defense</p> <p>Binding of the IP address, MAC address, interface, and VLAN</p> <p>Port isolation, port security, and sticky MAC</p> <p>Blackhole MAC address entries</p> <p>Limit on the number of learned MAC addresses</p> <p>802.1x authentication and limit on the number of users on an interface</p> <p>AAA authentication, RADIUS authentication, HWTACACS authentication, and NAC</p> <p>SSH v2.0</p> <p>CPU defense</p> <p>Blacklist and whitelist</p>
Surge protection	<p>6KV surge protection capability on service ports (1KV on service ports on PoE devices)</p>
Management and maintenance	<p>iStack</p> <p>MAC Forced Forwarding (MFF)</p> <p>Remote configuration and maintenance using Telnet</p> <p>Auto-Config</p> <p>Virtual cable test</p> <p>Ethernet OAM (IEEE 802.3ah and 802.1ag)</p>

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	Dying gasp power-off alarm (S3700-28TP-EI-MC-AC) SNMP v1/v2c/v3 and RMON Web NMS
Operating environment	Operating temperature: 0°C–50°C(long term); Relative humidity: 10%–90% (non-condensing)
Power supply	DC: Rated voltage range: –48V to –60V Maximum voltage range: –36V to –72V DC Note: PoE-support switches do not use DC power supplies.
Dimensions (W x D x H)	442 mm x 220 mm x 43.6 mm
Weight	S3700-28TP-EI<2.5Kg
Power consumption	S3700-28TP-EI<20W
Service & Support	1 year warranty

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