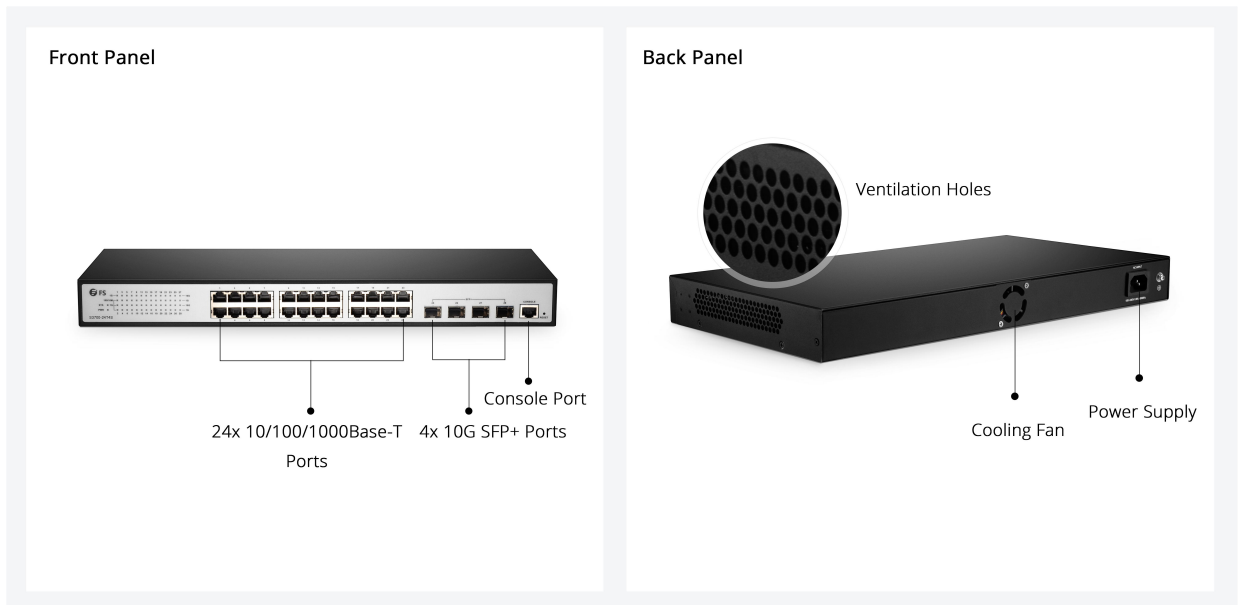## DATASHEET

S3700-24T4S
(24*RJ45 auto-sensing+4*10G SFP+)

1GbE Access Layer Switch for SMB

Overview

S3700-24T4S is deployed at the access layer of an enterprise network to deliver cost-effective packet switching capability. It provides 24*10/100/1000Base-T Ports and 4*10G SFP+ ports to extend your home or business network at gigabit speeds.

Easy to install and maintain, S3700-24T4S switches combine high reliability with rich management and security features to help customers build secure, reliable, high-performance networks. And it can be applicable to various scenarios, for example, GE access to enterprise networks and GE-to-desktop, building future-oriented IT networks for enterprises.

Front Panel

24x 10/100/1000Base-T Ports
4x 10G SFP+ Ports
Console Port

Back Panel

Ventilation Holes
Cooling Fan
Power Supply

Primary Product Highlights

I.   L2 Multicast Characteristics

➢ 1K Multicast table

➢ Support IGMPv1/v2/v3 snooping and fast leave

II.   Enhance Security Mechanism

➢ Port Isolation, configure hardware isolation of each port

➢ Support MAC learning limitation/ Black-hole MAC

➢ Support DHCP snooping

➢ Support Port+MAC+IP binding

III. Reduce Business Risks and Improve Reliability

➢ ACL based on MAC/ IP/ TCP/UDP port/ protocol type etc

➢ Support static aggregation

➢ Support 802.1D STP/802.1w RSTP/802.1s MSTP/802.3ad Link (LACP)

IV. Super Performance and Easy Deployment

➢ Wide voltage power supply design from 90VAC to 264VAC

➢ WEB UI design to help customers deploy the network

➢ Support VLAN/VLAN/MSTP/EAPS/ACL/CLI etc

➢ Gigabit to enterprise networks or desktop, cost-effective

➢ "One-key" operation: Press reset and hold for restoring factory settings

Specification

Ports	S3700-24T4S
Gigabit RJ45 Ports	24
10GE SFP+ Ports	4
General	
CPU	ARM
Switching Chip	BCM53346
Switching Capacity	128Gbps
Forwarding Rate	95.232 Mpps
SDRAM Memory	256MB
Flash Memory	32MB
Power Requirements	
Power Supply	100-240VAC, 50/60Hz
Max Power Consumption	≤25W

Enviromental

Operating Temperature	-10°C~50°C
Storage Temperature	-40°C~70°C
Operating Humidity	5%-90%, non-condensing
Storage Humidity	0%-90% , non-condensing

Physical

Dimensions (WxDxH)	440mm×230mm×44mm
Weight	5.2kg

Product Features and Benifits

Features	Benifits
MAC	➢ IEEE802.1d Standard ➢ 16K MAC address table size ➢ MAC Learning and Forwarding ➢ MAC Aging ➢ Enable/Disable MAC Learning of Port ➢ MAC+Port+VLAN Binding ➢ MAC Filtering
VLAN	➢ Private VLAN ➢ 802.1Q VLAN ➢ 4K VLAN entries ➢ Port-based/MAC-based/IP-based/ Protocol-based VLAN ➢ VLAN Stacking (QinQ)
L2 Multicast	➢ 1K L2 Multicast Table ➢ IGMPv1/v2/v3 Snooping ➢ Fast Leave
IPv4 Routing Protocol	➢ Static Routing
Reliability Features	➢ 802.1D STP/802.1w RSTP/802.1s MSTP ➢ BPDU Guard ➢ EAPS ➢ 802.3ad Link (LACP) ➢ 32 (Can upgraded to 128 by software) Aggregation group ➢ 8 ports per Agg group

Features	Benifits
Reliability Features	➢ MAC DA/MAC SA ➢ IP DA/IP SA ➢ Port DST/Port SRC
QoS/ACL	➢ 2K ACL ➢ 8 queues per port ➢ Based on MAC address/IP address/Protocol type/TCP/UDP port/Time ➢ Port based Rate Limiting ➢ Broadcast Storm Control ➢ Multicast Storm Control ➢ Unknowable Unicast Control ➢ Support FIFO, SP, WRR, ToS, COS, DiffServ (DSCP), 802.3x
Security Features	➢ 802.1x based on Mac/Port ➢ MAC learning Limitation ➢ Black-hole MAC ➢ Port Isolation ➢ DHCP Snooping ➢ Port+MAC+IP Binding ➢ SSH v1/v2
Device Management	➢ CLI, Telnet, Web Management ➢ SNMP v1/v2/v3 ➢ SSH v1/v2, MIB, Syslog, Ping, TFTP ➢ SNTP Client ➢ Traceroute ➢ Port Mirroring ➢ Software Update ➢ Configuration Update/Download ➢ Display CPU Utilization ➢ Display Memory Utilization

Supported Optical Transceivers and Cables

	Part Numnber	Description
1G SFP Transceivers	SFP-GB-GE-T	1000BASE-T SFP Copper RJ-45 100m Transceiver
	SFP1G-SX-31	1000BASE-SX SFP 1310nm 2km DOM Transceiver

Part Numnber	Description
1G SFP Transceivers	
SFP1G-SX-85	1000BASE-SX SFP 850nm 550m DOM Transceiver
SFP1G-LX-31	1000BASE-LX/LH SFP 1310nm 20km DOM Transceiver
SFP1G-LH-31	1000BASE-EX SFP 1310nm 40km DOM Transceiver
SFP-GE-BX	1000BASE-BX BiDi SFP 1310nm-TX/1550nm-RX 20km DOM Transceiver
SFP-GE-BX40	1000BASE-BX-D BiDi SFP 1550nm-TX/1310nm-RX 40km DOM Transceiver
SFP-GE-BX80	1000BASE-BX BiDi SFP 1490nm-TX/1550nm-RX 80km DOM Transceiver
SFP-GE-BX120	-BX BiDi SFP 1490nm-TX/1550nm-RX 120km DOM Transceiver
SFP1G-EX-55	1000BASE-EX SFP 1550nm 40km DOM Transceiver
SFP1G-ZX-55	1000BASE-ZX SFP 1550nm 80km Transceiver
SFP1G-EZX-55	1000BASE-EZX SFP 1550nm 120km DOM Transceiver
10G SFP+ Transceivers	
SFP-10GSR-85	10GBASE-SR SFP+ 850nm 300m DOM Transceiver
SFP-10GLR-31	10GBASE-LR SFP+ 1310nm 20km DOM Transceiver
SFP-10GLRM-31	10GBASE-LRM SFP+ 1310nm 220m DOM Transceiver
SFP-10GER-31	10GBASE-ER SFP+ 1310nm 40km DOM Transceiver

Part Numnber	Description
10G SFP+ Transceivers	
SFP-10GER-55	10GBASE-ER SFP+ 1550nm 40km DOM Transceiver
SFP-10GZR-55	10GBASE-ZR SFP+ 1550nm 80km DOM Transceiver
SFP-10GZRC-55	10GBASE-ZR SFP+ 1550nm 100km DOM Transceiver
SFP-10G-BX	10GBASE-BX10-U SFP+ 1270nm-TX/1330nm-RX 10km DOM Transceiver
SFP-10G-BX40	10GBASE-BX40-D SFP+ 1330nm-TX/1270nm-RX 40km DOM Transceiver
SFP-10G-BX60	10GBASE-BX60-U SFP+ 1270nm-TX/1330nm-RX 60km DOM Transceiver
SFP-10G-BX80	10GBASE-BX80-D SFP+ 1330nm-TX/1270nm-RX 80km DOM Transceiver
10G DAC & AOC	
SFP-10G-DAC	10G SFP+ Passive Direct Attach Copper Twinax Cable
SFP-10G-AOC	10G SFP+ Active Optical Cable

United Kingdom   Russia

Germany

United States

China

Singapore

Australia

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