



IS170 Series

Un-Managed L2 Access Switch

Product Overview

The IS170 series switch is a high-performance un-managed L2 access switch developed by Maipu. It is applied in SMB LAN network and easy to deploy Layer2 switching solution that offers line-speed forwarding of all ports. It adopts storage and forwarding technology, combined with dynamic memory allocation, to ensure effective allocation to each port. The IS170 series switch well meets the comprehensive SMB customer requirements such as branch office, hotel, restaurant, school, logistic, chain store, etc.

The IS170 series switch includes IS170-8TF-AC, IS170-10TP(V2), S1700-18TF-AC, IS170-18TP-AC, IS170-24T-AC, IS170-26TF-AC, IS170-26TP-AC(L1), IS170-26TP-AC(V1) models.

Model Name	Specification
 IS170-8TF-AC	<ul style="list-style-type: none">● 8*10/100/1000M Base-T● Fixed Single AC Power● Switching Capacity: 16Gbps● Flow Control Switch
 S1700-18TF-AC	<ul style="list-style-type: none">● 16*10/100/1000M Base-T + 2*1G SFP● Fixed Single AC Power● Switching Capacity: 36Gbps● Flow Control Switch
 IS170-24T-AC	<ul style="list-style-type: none">● 24*10/100/1000M Base-T● Fixed Single AC Power● Switching Capacity: 48Gbps● Flow Control Switch
 IS170-26TF-AC	<ul style="list-style-type: none">● 24*10/100/1000M Base-T + 2*1G SFP● Fixed Single AC Power● Switching Capacity: 52Gbps● Flow Control Switch
 IS170-10TP(V2)	<ul style="list-style-type: none">● 8*10/100/1000M PoE Base-T +2*1G SFP+● Fixed Single AC Power● 110W PoE&PoE+● Switching Capacity: 20Gbps● Flow Control Switch
 IS170-18TP-AC	<ul style="list-style-type: none">● 16*10/100/1000M PoE Base-T + 2*1G SFP● Fixed Single AC Power● 250W PoE&PoE+● Switching Capacity: 36Gbps● Flow Control Switch
 IS170-26TP-AC(L1)	<ul style="list-style-type: none">● 24*10/100/1000M PoE Base-T + 2*1G SFP● Fixed Single AC Power● 180W PoE&PoE+● Switching Capacity: 52Gbps● Flow Control Switch
 IS170-26TP-AC(V1)	<ul style="list-style-type: none">● 24*10/100/1000M PoE Base-T + 2*1G SFP● Fixed Single AC Power● 380W PoE&PoE+● Switching Capacity: 52Gbps● Flow Control Switch

Key Features

Non-blocking High-speed Forwarding

The IS170 series switch is designed for non-blocking high-speed data forwarding across all its ports, providing an efficient and responsive networking experience. Whether you're dealing with data-intensive applications or demanding workloads, this switch guarantees smooth data flow, making it ideal for diverse networking scenarios.

Line-speed Forwarding on All Ports with MDI/MDIX Auto-crossover

Every port on the IS170 series switch ensures line-speed data forwarding, delivering optimal performance for your network traffic. Additionally, the built-in MDI/MDIX auto-crossover feature eliminates the need for special crossover cables, making network connections hassle-free and straightforward. With this switch, expect high-speed data transmission without the complexities of cable management.

Universal Port Support

This switch is a true plug-and-play solution, offering universal port support. All electrical ports are equipped to handle 10/100/1000 Mbps connections, ensuring flexible and adaptive network performance. You can seamlessly connect a variety of devices, from legacy equipment to modern high-speed systems.

IEEE Standards Compliance

Committed to industry standards, the IS170 series switch adheres to various IEEE standards, including IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x, and IEEE 802.3az. This ensures that your network operates with the latest technologies and remains compatible with a wide range of networking equipment, promoting interoperability and future-proofing your infrastructure.

Reliable Data Transmission

Built with a storage and forwarding exchange mechanism, the IS170 series switch guarantees the reliability of data transmission. This mechanism ensures that data packets are processed accurately and efficiently, reducing the chances of packet loss and enhancing overall network performance. Your data is in safe hands with this dependable switch.

Technical Specifications

Model	IS170-8TF-AC	S1700-18TF-AC	IS170-24T-AC	IS170-26TF-AC
Hardware Version	V1	V1	V1	V1
Physical Traffic Port	8*10/100/1000M Base-T interfaces	16*10/100/1000M Base-T interfaces 2*1G SFP interfaces	24*10/100/1000M Base-T interfaces	24*10/100/1000M Base-T interfaces 2*1G SFP interfaces
Switching Capability	16Gbps	36Gbps	48Gbps	52Gbps
Fixed Power Supply	One	One	One	One
Fixed Fan	NA	NA	NA	NA
Power Consumption	≤5.2W	≤8W	≤16W	≤15W
Dimension (W×D×H)mm	220×160×44.2	440×208×44.2	280×126×44.2	442×220×44.2
Model	IS170-10TP	IS170-18TP-AC	IS170-26TP-AC	IS170-26TP-AC
Hardware Version	V2	V1	L1	V1
Physical Traffic Port	8*10/100/1000M Base-T PoE interfaces 1*10/100/1000M Base-T interface 2*1G SFP interface	16*10/100/1000M Base-T PoE interfaces 2*1G SFP interfaces	24*10/100/1000M Base-T PoE interfaces 2*1G SFP interfaces	24*10/100/1000M Base-T PoE interfaces 2*1G SFP interfaces
Switching Capability	20Gbps	36Gbps	52Gbps	52Gbps
Fixed Power Supply	One	One	One	One
Fixed Fan	Yes	Yes	Yes	Yes
Max PoE Power Consumption	110W	250W	180W	380W
PoE Standard	IEEE 802.af/at	IEEE 802.af/at	IEEE 802.af/at	IEEE 802.af/at
Power Consumption	≤120W	≤297W	≤200W	≤400W
Dimension (W×D×H)mm	280×180×44.2	440×240×44.2	440×208×44.2	440×208×44.2
Input Voltage	AC:100-240V/50-60Hz			
Temperature	Work Temperature: -5°C to 45°C Storage Temperature: -40°C to 70°C			
Humidity	Work Humidity:10% ~ 90%, non-condensing Storage Humidity:5% ~ 95%, non-condensing			
Anti-Lightning	4KV			
Anti-Static	4KV			
MTBF	>80000 hours			
Standards and protocols	IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x, IEEE 802.3az			

Order Information

Model		Description
IS170 Series Host		
IS170 Series	IS170-8TF-AC	V1 Version: 8-Port 10/100/1000M Base-T interfaces, Single AC Power
	IS170-10TP	V2 Version: 8-Port 10/100/1000M PoE Base-T interfaces, 2-Port 1G SFP interface, 110W PoE Budget, Single AC Power
	S1700-18TF-AC	V1 Version: 16-Port 10/100/1000M Base-T interfaces, 2-Port 1G SFP interfaces, Single AC Power
	IS170-24T-AC	V1 Version: 24-Port 10/100/1000M Base-T interfaces, Single AC Power
	IS170-18TP-AC	V1 Version: 16-Port 10/100/1000M Base-T interfaces, 2-Port 1G SFP interfaces, 250W PoE budget, Single AC Power
	IS170-26TF-AC	V1 Version: 24-Port 10/100/1000M Base-T interfaces, 2-Port 1G SFP interfaces, Single AC Power
	IS170-26TP-AC	L1 Version: 24-Port 10/100/1000M PoE Base-T interfaces, 2-Port 1G SFP interfaces, 180W PoE budget, Single AC Power
	IS170-26TP-AC	V1 Version: 24-Port 10/100/1000M PoE Base-T interfaces, 2-Port 1G SFP interfaces, 380W PoE budget, Single AC Power



MAKE IT INTELLIGENT



All rights reserved. Printed in the People's Republic of China.

No part of this document may be reproduced, transmitted, transcribed, stored in a retrieval system, or translated into any language or computer language, in any form or by any means, electronic, mechanical, magnetic, optical, chemical, manual or otherwise without the prior written consent of Maipu Communication Technology Co., Ltd.

Maipu makes no representations or warranties with respect to this document contents and specifically disclaims any implied warranties of merchantability or fitness for any specific purpose. Further, Maipu reserves the right to revise this document and to make changes from time to time in its content without being obligated to notify any person of such revisions or changes.

Maipu values and appreciates comments you may have concerning our products or this document. Please address comments to:

Maipu Communication Technology Co., Ltd
Maipu Mansion, No.16, Jiuxing Avenue
Hi-Tech Zone
Chengdu, Sichuan Province
P. R. China
610041
Tel: (86) 28-65544850,
Fax: (86) 28-65544948,
URL: [http:// www.maipu.com](http://www.maipu.com)
Email: overseas@maipu.com

All other products or services mentioned herein may be registered trademarks, trademarks, or service marks of their respective manufacturers, companies, or organizations.