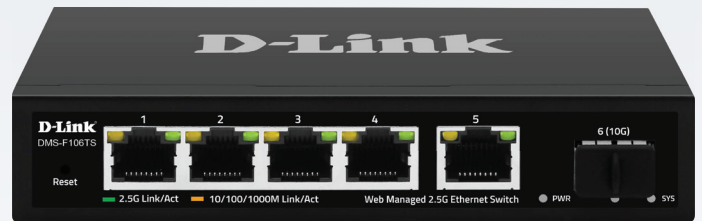# D-Link®
Building Networks for People

Highlights

- 5* 100/1000/2500Mbps RJ45 ports+1* 10G SFP+ optical port
- Complies with IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3bz, IEEE 802.3ae, and IEEE 802.3x standards
- RJ45 port supports 100/1000/2500Mbps adaptive
- Supports automatic port flipping (Auto MDI/MDIX)
- The panel indicator lights will monitor the working status and assist in fault analysis
- Flow control method, IEEE802.3x standard for full duplex and Backpressure standard for half duplex
- Support QoS data priority

DMS-F106TS
5-port 2.5G with 1-Port SFP+ Web Management Desktop Switch

Features

- 5 x 100/1000/2500Mbps RJ45 + 1 x 10G SFP+ Port: High-speed connectivity with flexible options.
- IEEE 802.3 Compliance: Meets multiple standards including 802.3bz and 802.3ae.
- Adaptive RJ45 Ports: Auto-adjusts between 100/1000/2500Mbps.
- Auto MDI/MDIX: Eliminates the need for crossover cables.
- Status LEDs: For real-time monitoring and fault diagnosis.
- Flow Control: IEEE 802.3x for full-duplex, Backpressure for half-duplex.
- QoS Support: Prioritizes critical data traffic.

The D-Link DMS-F106TS is a versatile multi-gigabits network switch that caters to the high-speed connectivity needs of modern businesses. It features five 100/1000/2500Mbps RJ45 ports alongside one 10G SFP+ optical port, providing a robust combination of wired and fiber-optic connections. Compliant with IEEE standards such as 802.3, 802.3u, 802.3ab, 802.3bz, 802.3ae, and 802.3x, this switch ensures seamless integration within a variety of network environments, enhancing both reliability and performance.

Each RJ45 port on the DMS-F106TS supports adaptive speeds, automatically adjusting to 100/1000/2500Mbps to optimize network efficiency. The switch is equipped with automatic port flipping (Auto MDI/MDIX), eliminating the need for crossover cables and simplifying network installation. Additionally, the panel indicator lights offer real-time monitoring of the switch's operational status, enabling swift identification and resolution of network issues.

Designed with advanced traffic management in mind, the DMS-F106TS supports flow control based on the IEEE 802.3x standard for full-duplex communication, as well as the Backpressure standard for half-duplex mode. This switch also features Quality of Service (QoS) support, ensuring that critical data receives the highest priority, which minimizes latency and maximizes network performance. The D-Link DMS-F106TS is a reliable and efficient solution for any enterprise seeking to upgrade or expand its network infrastructure.

Technical Specifications

Hardware Features & Performance

Model		DMS-F106TS
General	Interface	5*2.5G RJ45 port 1*10G SFP+ port
	Port Standard	IEEE802.3 (Ethernet) IEEE802.3u (Fast Ethernet) IEEE802.3ab (Gigabit Ethernet) IEEE 802.3z (Gigabit Ethernet) IEEE 802.3ae (10 Gigabit Ethernet) IEEE802.3x (Flow Control) IEEE802.3bz (2.5 Gigabit Ethernet)
Performance	Switching Capacity	45Gbps
	Packet Forwarding Rate	33.48Mpps
	Packet Buffer	8Mbit
	MAC Address Table	4K
	Jumbo Frame	support
	VLAN	VLAN range 1-4094, maximum active VLAN is 31
	Transmission Method	Store and Forward
Environment	Surge Protection	Surge protection: common mode 6KV, differential mode 2KV ; Electrostatic ESD: air 8KV, contact 6KV
	Operating Temperature	0~40℃
	Storage Temperature	-40℃ to 70℃
	Operation Humidity	10%~90%，non condensing
	Storage Humidity	5%~95%，non condensing

Hardware Features & Performance

Physical	Power Supply	12 V 1 A Power Adapter
	Mainboard Power Consumption	5.92W
	Structure Information	Product Dimensions :140*93*28mm Packaging Dimensions : 203*160*55mm Product Net Weight: 0.33KG Product Gross Weight: 0.46K
	Packing Information	Carton Dimensions :580*335*445mm Packing Quantity: 40PCS Packing Weight: 19.5KG
	Packing List	Switch 1pcs, ac adapter 1pcs, instruction manual 1pcs, certificate of qualification 1pcs
	Fan Quantity	0
	Installation	desktop
Buttons & Indicator Lights	PWR	On: Powered on Off: Powered off
	1-5	Green led on: 2.5G link connection is normal Yellow led on: 10/100/1000Mbps link connection is normal Off: Link blocked Flashing: Data transmitting
	SYS	On: The system is normal Flashing: System startup in progress
	6th SFP+ port	on: 10G link connection is normal Off: Link blocked Flashing: Data transmitting
	RESET	Long press for 6 seconds to restore factory settings

Software Features

L2 Function	
Port	Port Switch configuration
	Port Speed configuration
	Port Duplex configuration
	Port Flow Control configuration
	EEE
	Jumbo Frame, Up to 12Kbytes
Link Aggregation	Static Group
	Up to 2 groups
	LACP
	Max. 4 members per group
Storm Control	Boardcast suppression
	Unknown Multicast
	Unknown Unicast
Port Mirroring	Support
Port Security	MAC Address Constraints
Port Isolation	Support
Port Rate-limit	Support
Loopback Detection	Support
VLAN	Access/Trunk/Hybrid
	VLAN range VLAN range 1-4094, maximum active VLAN is 31
MAC Address	Dynamic MAC address
	Static MAC address
Spanning Tree Protocol	STP/RSTP
	Edge Port
Multicast	IGMP Snooping
	Router Port
	Static IGMP Join
	IGMP V1/V2
QoS	Traffic classification, supporting SP and WRR scheduling
	Port Priority
	Supports up to 8 queues per port

Software Features

Services	
Access Protocol	HTTP
Diagnostics	
Port Statistics	support
Equipment Management	
Manager Access	HTTP
Manager IP	Static Address
	DHCP Client
User Management	support
Firmware Management	Firmware upgrade
Configuration Management	Upload/Backup Configuration
Save	support
Restart	support
Factory Defaults	support
Standard Compliance	
IEEE 802.3x flow control and back pressure	
IEEE 802.1D Spanning Tree Protocol	
IEEE 802.1w Rapid Spanning Tree Protocol	
IEEE 802.1Q VLAN tagging	
RFC 768 UDP	
RFC 791 IP	
RFC 792 ICMP	
RFC 2068 HTTP	
RFC 1112 IGMP v1	
RFC 2236 IGMP v2	

Product Application