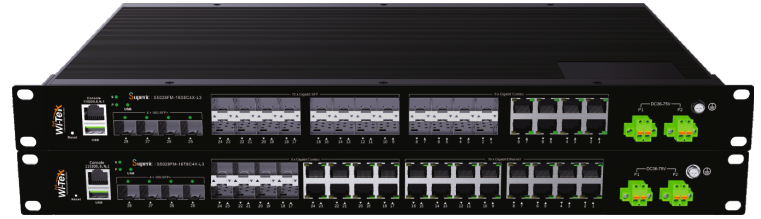


Superic Industrial L3 Managed Switch



S5028FM-16T8C4X-L3 | S5028FM-16S8C4X-L3

Overview

Wi-Tek Superic Industrial L3 Managed Switch provides 10G SFP+ slots, Gigabit RJ45 ports, and Gigabit Combo SFP, creating flexible options to match your project needs.

They support Layer 3 static routing & dynamic routing features and robust layer 2 management and secure function, which all making them ideal for large-scale industrial networks.

Professional design provides a flexible and reliable industrial network solution. Redundant power design with polarity reverse/over-voltage/over-current protection guarantees a safe power supply. Solid shell, wide operation temperature from -40°C to 75°C , and high-level EMI/EMC capability design ensure its stable and reliable operation even in harsh environments.

Features

Full Gigabit Interfaces Design

S5028FM-16T8C4X-L3:

16x10/100/1000 Base-T Ethernet RJ45 Ports, 8x1000 Base-X Combo SFP ports and 4x10G Base-X SFP+ ports

S5028FM-16S8C4X-L3:

16x1000 Base-X SFP Ports, 8x1000 Base-X Combo SFP ports and 4x10G Base-X SFP+ ports

-40 ~ 75°C Operating Temperature

-40 ~ 75°C working temperature design, makes it meet the requirement of harsh application environment.

High Level Protection Design

6kV surge immunity for DC power and Ethernet ports, 15kV air discharge and 8kV contact discharge ESD protection, makes it an ideal choice for outdoor application scenario

Abundant L3 Features

Wi-Tek Superic Industrial L3 Managed Switch support Layer 3 routing protocols that include Static Routing, RIP and OSPF, helping to build scalable, reliable networks. Multicast routing protocols such as MLD V1/V2 Snooping guarantee efficient routing for multicast groups.

Specifications



Model	S5028FM-16T8C4X-L3	S5028FM-16S8C4X-L3
Hardware Features		
Interfaces		
Interfaces	16 x 10/100/1000Mbps RJ45 ports 8 x 1000Mbps Combo SFP ports 4 x 10Gbps SFP+ ports	16 x 1000Mbps SFP slots 8 x 1000Mbps Combo SFP ports 4 x 10Gbps SFP+ ports
Management Port	1 x Console Port	
USB	1 x USB 2.0	
Performance		
Memory and Flash	Flash: 512MB RAM: 512MB	
Switch Property		
Standards and Protocols	IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX Ethernet IEEE 802.3ab 1000Base-T Ethernet IEEE 802.3z 1000Base-X Ethernet IEEE802.3x Flow Control and Back Pressure IEEE 802.1D Spanning Tree Protocol IEEE 802.1w Rapid Spanning Tree Protocol IEEE 802.1Q VLAN ITU-T G.8032 ERPS IEEE 802.1X Port Authentication Network Control IEEE 802.1ab LLDP IEEE 802.3ad LACP	
Forwarding Mode	Store and Forward	
Switching Capacity	128 Gbps	
Packet Forwarding Rate	95.23Mpps	
MAC Address Table	16 k	
Packet Buffer Memory	12 Mbit	
Jumbo Frame	10 kB	



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Power Supply		
Input Power	DC36-75V 1.3A Max or AC 100~240V 50/60Hz 1A Max	
Power Consumption	Full loading ≤36W	Full loading ≤40W
Physical Characteristics		
LED Indicators	<p>P Off: the device is power off or failed Green On: the device power on is normal</p> <p>S Blinking: device system initialization On: The system is working properly</p> <p>USB On: USB flash drive is detected by device Off: USB flash drive not insert or not detected by device</p> <p>Copper ports indicators Green on: Port connected Blinking: data on TX/RX Off: Port disconnected</p> <p>Copper speed indicators Yellow on: The port is connected with 1000Mbps speed Off: The port is connected with 10/100Mbps speed</p> <p>Fiber indicators Green on: Port connected Blinking: data on TX/RX Off: Port disconnected</p>	
Fan Quantity	Fanless	
Botton		
Reset	Hold for >5 sec. to restore factory default	
Switch Dimensions(W*D*H)	440*280*44mm	
Package Dimensions	525*390*95mm	
Weight	Net Weight: 5 kg	Net Weight: 5 kg
	Package Weight: 5.3 kg	Package Weight: 5.3 kg
Installation	Desktop, Rack-mounting	



Model	S5028FM-16T8C4X-L3	S5028FM-16S8C4X-L3
Environmental		
Surge Immunity of Ethernet ports	IEC 61000-4-5 Common mode 6kV Differential mode 2kV	
Surge Immunity of DC power	IEC 61000-4-5 Common mode 6kV Differential mode 6kV	
Surge Immunity of AC power	IEC 61000-4-5 Common mode 4kV Differential mode 2kV	
ESD Protection	IEC 61000-4-2 Contact discharge 8kV Air discharge 15kV	
Operating Environment	-40°C to + 75°C, 10%~90% (non-condensing)	
Storage Environment	-40°C to + 85°C, 5%~95% (non-condensing)	
Certification		
Certification	CE, FCC, RoHS, UKCA, RCM	



Model	S5028FM-16T8C4X-L3	S5028FM-16S8C4X-L3
Software Feature		
Port aggregation	Support 1GE port aggregation	
	Support 10GE aggregation	
	Support static aggregation	
	Support LACP dynamic aggregation	
	Up to 64 aggregation groups and up to 8 ports per group	
Port features	Support IEEE802.3x flow control	
	Support port traffic statistics	
	Support port isolation	
	Support Broadcast Storm (Broadcast; Unknown Multicast; Unknown Unicast)	
	Support Loop Detection(Port Based; VLAN Based)	
VLAN	Support Mac Based VLAN	
	Support IP Based VLAN	
	Support Protocol Based VLAN	
	Support GVRP(normal mode; fixed mode; forbidden mode)	
	Support QinQ (Port-based QinQ; VLAN-based QinQ; VLAN-based QinQ)	
Ring network protocol	Support IEEE 802.1D-STP	
	Support IEEE 802.1W -RSTP	
	Support IEEE 802.1S -MSTP	
	Support BPDU Guard	
	Support G.8032 ERPS protocol	
Routing protocol	ARP	
	Route policy	
	ipv4/ipv6 Static Routing	
	ECMP	



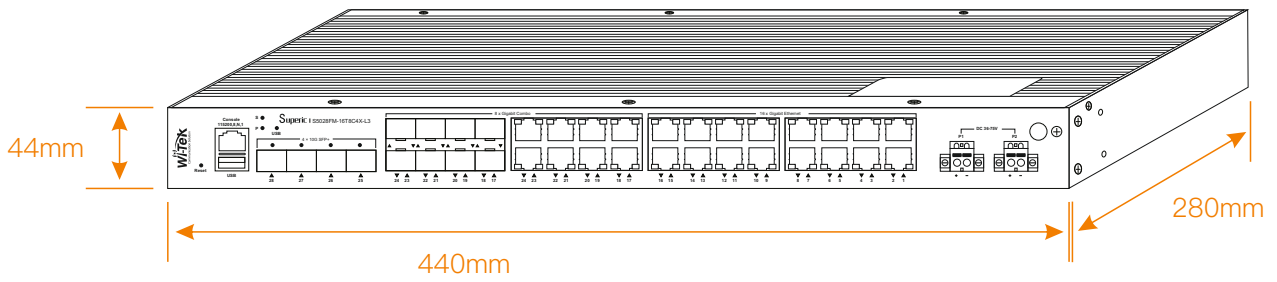
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Routing protocol	VRRP	
	RIPv1/v2	
	OSPFv2	
	BGP4	
	IS-IS	
DHCP	Support option-82	
	Support DHCP Client	
	Support DHCP Snooping	
L2	Support Group Address	
	Support IGMP V1, V2, V3	
	Support IGMP snooping	
ACL	Support IP Standard ACL	
	Support IP extend ACL	
	Support MAC extend ACL	
	Support L2, L3	
QoS	8 priority queues	
	802.1p CoS/DSCP priority	
	Queue scheduling (SP (Strict Priority); WRR(Weighted Round Robin) SP+WRR)	
	Rate Limit(Ingress /Egress Port; Egress Queue)	
mac-address	Static mac-address management	
	Dynamic mac-address management	
	Filtering mac-address	
Security	Support RADIUS/TACACS+	
	Support Dot1xport authentication, MAC authentication	
	Support RADIUS authentication access switch (Console; Telnet; SSH; HTTP; HTTPS)	
	Detect arp Message Filtering	
	Support IP Source Guard(Port-based IP/mac binding access)	
	Support port isolation	



Model	S5028FM-16T8C4X-L3	S5028FM-16S8C4X-L3
IPv6	DHCP IPv6 Client	
	Ping IPV6	
	Tracert IPV6	
	Telnet IPv6	
	SNMP IPv6	
	SSH IPv6	
	Http IPv6	
	TFTP IPv6	
	Dual IPv4/IPv6	
Management and maintenance	Web-based GUI	
	Command Line Interface(CLI) through the console port, telnet	
	Support LLDP	
	Support user management and login authentication	
	Support SNMPV1/V2C/V3	
	Support Syslog	
	Support RMON(1,2,3 &9)	
	Support NTP	
	Support Ping; TRACERT	
	Support optical transceiver DDM function	
	Support TFTP Client	
	Support TFTP, web upgrading	
	Configuration Export/import	
Support Ipv6 Management		

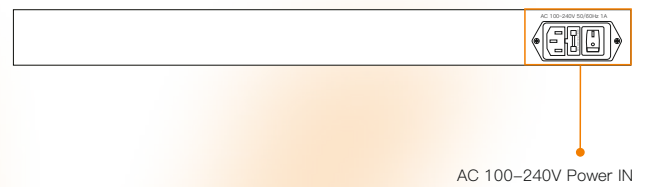
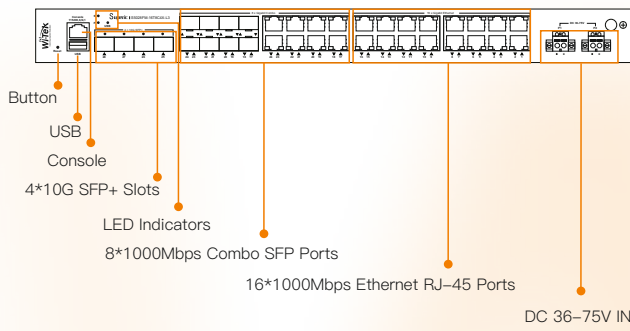
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Dimensions (mm)



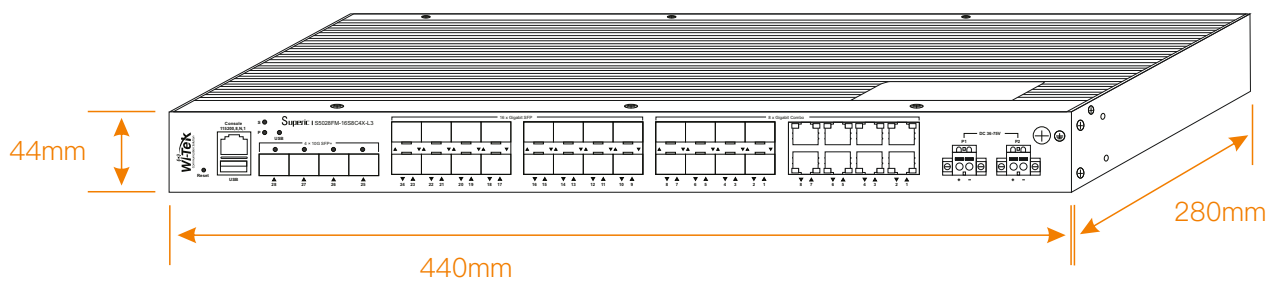
Front Panel

Side Panel

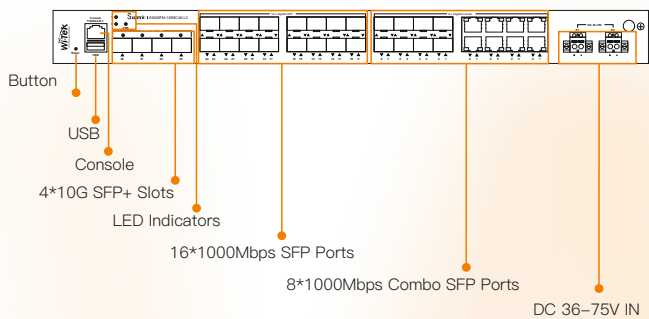


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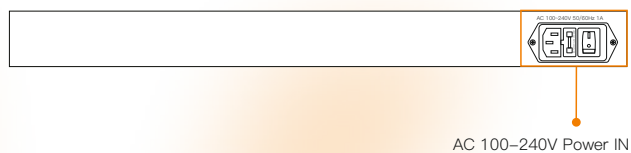
Dimensions (mm)



Front Panel



Side Panel



Package Contents

Welcome to order our products. After purchasing, you will receive:

Items	Quantity
Switch	1 pcs
AC Power Cord	1 pcs
Rack mount Kit	1 pcs
Quick Installation Guide	1 pcs



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Technical Support



Cloud Management



Company Website