

Model	20101708
Fixed port	8*10/100/1000Base-TX PoE port 2*1000M SFP
Console port	1*console port
Reset Key	1
Network Protocol	IEEE 802.3x IEEE 802.3、IEEE 802.3u、IEEE 802.3ab、IEEE 802.3z IEEE 802.3ad IEEE 802.3q 、IEEE 802.3q/p IEEE 802.1w、IEEE 802.1d 、IEEE 802.1S IEEE 802.3z 1000BASE-X IEEE 802.3af/at STP(Spanning Tree Protocol) RSTP/MSTP(Rapid Spanning Tree Protocol) EPPS ring network protocol EAPS ring network protocol
Port Specification	10/100/1000BaseT (X) Auto
Transmission Mode	Store and Forward(full wirespeed)
Bandwidth	20Gbps
Packet Forwarding	14.44Mpps
MAC Address	8K
Buffer	4.1M
Transmission Distance	10BASE-T : Cat3,4,5 UTP(≤250 meter) 100BASE-TX : Cat5 or later UTP(≤100 meter) 1000BASE-TX : Cat6 or later UTP(≤1000 meter) 1000BASE-SX:62.5μm/50μm MMF(2m~550m) 1000BASE-LX:62.5μm/50μm MM(2m~550m) or 10μm SMF(2m~5000m)
FLASH	16M
RAM	128M
Watt	≤120W
LED Indicator	PW:Power LED Port:(Orange=PoELED+Green=Link LED) 9 10:(SFP LED)
Power	Built-in solar power controller; AC 100~240V 50/60HZ
Operating Temperature/Humidity	-20~+55°C; 5%~90% RH Non coagulation
Storage Temperature/Humidity	-40~+75°C; 5%~95% RH Non coagulation
Product size/Packing size (L*W*H)	335mm*195mm*45mm 410mm*175mm*95mm
N.W/G.W (kg)	2.2kg/2.7kg
Installation	Rack-mount(optional machine hanger spare parts)



Lightning protection level	3KV 8/20us: IP30
Certificate	CE mark, commercial; CE/LVD EN60950; FCC Part 15 Class B; RoHS;
Warranty	Whole device for 1 year(Accessories not included)

Software Parameter	
The following are the main software functions, not all, if there is no function, please consult us first! / Support software development with customized requirements!	
Protocol Standard	IEEE 802.3x IEEE 802.3、IEEE 802.3u、IEEE 802.3ab、IEEE 802.3z IEEE 802.3ad IEEE 802.3q、IEEE 802.3q/p IEEE 802.1w、IEEE 802.1d、IEEE 802.1S、IEEE 802.1X
MAC Address	Support 16K MAC addresses;MAC address learning and aging
VLAN	Port-based VLANs Up to 4096 VLAN support Voice VLAN,can configure QoS for voice data 802.1Q VLAN
Spanning Tree	STP(Spanning tree protocol) RSTP(Rapid spanning tree protocol) MSTP(Rapid spanning tree protocol) EPPS(Ring network protocol) EAPS(Ring network protocol) 802.1x argumentation agreement
Link Aggregation	Max 8 aggregation groups TRUNK,each supports 8 ports
Port Mirror	Many-to-one port mirroring
Loop Guard	Loop protection function, real-time detection, rapid alarm, accurate positioning,intelligentblocking,automatic recovery
Port Isolation	Support downlink ports isolated from each other and communicate with uplink port
Port Flow Control	Half duplex based back pressure control Full duplex based on PAUSE frame
Line Rate	Support downlink ports isolated from each other and communicate with upstream port
IGMP Snooping	IGMPv1/2/3 and MLDv1/2 GMRP Protocol Registration Multicast address management, multicast VLAN,multicast routing ports,static multicast addresses
DHCP	DHCP Snooping
Storm Suppression	Unknown unicast, multicast,unknownmulticast,storm suppression of broadcast type Storm suppression based on bandwidth tuning and storm filtering

Security	User port+IP Address+MAC Address ACL based on IP and MAC Security properties of port based MAC address quantities
QOS	802.1p port queue priority algorithm Cos/Tos, QOS sign WRR (Weighted Round Robin), Weighted priority rotation algorithm WRR、SP、WFQ, 3 priority scheduling models
Cable Sequence	Auto-MDIX; auto identification of straight-through cables and crossover cables
Negotiation Mode	Port supports automatic negotiation (self-negotiation transmission rate and duplex mode)
System Maintenance	Upgrade package upload System log view WEB restore factory configuration
PoE Function (Only PoE model)	Port Switch Schedule arrangement, time switch Voltage, current and power Display System total power display and configuration PoEWatch dog, automatically restart and timed restart when device crashes; support IP binding restart Port power configuration Over-power Indicator Port PoE type configuration(48V/24V power supply)
Network Management	WEB NMS CLI management based on Telnet, TFTP, Console SNMP V1/V2/V3 RMON V1/V2 RMON Management



Direktronik AB tel. 08-52 400 700 www.direktronik.se