

2\*10G SFP+ slots + 8\*10/100/1000Base-T Enhanced Function

Unmanaged Ethernet Switch

20109422

## Overview

20109422 is the enhanced Gigabit Ethernet switch developed to, featuring 8 Gigabit Ethernet ports and 2\*10G SFP + port for flexible networks and providing **10G uplink capability** and non-blocking wire-speed performance for various applications that need long-distance big data transmission. 20109422 can act as a high-performance edge device for FTTX solutions. Providing 56Gbps internal switching capacity and 10kbytes jumbo frame ability, the 20109422 can handle extremely large amounts of data in a secure topology linking to a backbone or high-capacity server and it supports to make the package of V ports(1-2 ports) transmission on priority when network blocking, which make the important data zero package loss. It can be linked to a metro switch, backbone or high-capacity server.

## Picture



## Features:

- 8\*10/100/1000M access with 2\*10G SFP+ uplink
- Complies with IEEE 802.3, 10BASE-T, IEEE 802.3u 100BASE-TX, IEEE 802.3ab 1000BASE-T
- Enhanced function with Dip switch: the package of V ports(1-2) transmission on priority when network blocking; Supports VLAN, port isolation and port mirroring
- Supports auto MDI/MDI-X function
- Supports 10Kbytes jumbo frame packet size
- 2Mbits large buffer
- Wire-speed forwarding and non-blocking design.
- Store-and-forward switching and Non-blocking framework
- Metal housing, desktop size and wall-mount design
- 4KV surge protection for Ethernet ports

## Technical specification

Model	20109422	
Ports	Fixed ports	2*10G SFP+ slots, 8*10/100/1000M RJ45 ports
	Port type	RJ45 port, full duplex, MDI/MDI-X adaptive
	Operation mode	Store and forward
Layer 2 switching	MAC address table	16K
	Switching capacity	56G
	Packet forwarding rate	41.67Mpps
	Buffer	2Mbits
	polarity reversal	Support
	Jumbo frame	Support 10Kbytes
	Port mirroring	Support
Network topology	Star topology	Support
	Bus topology	Support
Dip switch	1: V port (1~2) Make the package of V ports(1-2) transmission on priority when network blocking	
	2: Port isolation	
	3: VLAN	
	4: Port mirroring	
Protection	Ethernet ports surge protection	IEC 61000-4-5 Level 4 (4KV) (10/700us)
General	Weight	Net weight 0.6kg
	Dimension(L*W*H)	152*115*44mm
	Operation	0°C~+50°C

# DIREKTRONIK

temperature	
Storage temperature	-40°C ~ +70°C
Operation humidity	10%~90%RH (non-condensing)
Storage humidity	5%~95%RH (non-condensing)
Heat dissipation	Fan-less, natural cooling
Input voltage	DC5-16V
Total consumption	< 10W

## Order information

Model	Description
20109422	Unmanaged Ethernet switch with 2*10G SFP+ slots +8*10/100/1000 RJ45 ports , DC5-16V , enhanced function with Dip switch