



GTD-5271 Version: 1

52-Port L3 Managed Gigabit Switch, 48 x Gigabit RJ45, 4 x 10GbE SFP+, Redundant power supply

The LevelOne GTD-5271 Switches is cost effective high performance switches for SDN/Openflow applications. It is designed based on LevelOne proprietary the latest generation Ethernet switching silicon, embedded Dual-core, ARM A53 processor. also offers AC dual power failover, allowing for continued operation regardless of a single power source failure.

The GTD-5271 fully supports Openflow v1.0 to v1.4, provide powerful full-field matching and flexible editing ability, which can be widely used in DCI, security and radio/ television broadcast scenarios. ISPs can expand their services for home to business users by providing a more reliable and resilient network , and advanced OAM (Operations, Administration, and Maintenance) functions to ensure service-level agreements. enabling you to scale your operations to meet business growth, operational cost savings, and ease of management.

Features

Technical highlights

- Standard 1RU pizza-box solution
- Up to 880Gbps switching capacity
- Low power consumption
- Up to 3.5K wildcard match flows with complete match field and stats
- Meter table with up to 1100 meter ID
- Support Group(all/select/indirect/fast failover)
- Support OpenFlow specification 1.0/1.2/1.3/1.4
- Support L2 to L4 complete matching fields
- Support Per flow multiple actions
- Support Hybrid mode(Traditional features + Openflow features)
- Support L2 GRE tunnel/VXLAN tunnel/NVGRE tunnel
- Support MPLS L2 VPN/Flex MPLS
- Support QinQ
- Support Group(all/select/indirect/fast failover)
- Support Queue
- Support LAG
- Support UDF

1. Basic		
Product Positioning	Data Center TOR access, Enterprise / Metro / HCI (Hyper-Converged Infrastructure) network access or aggregation	
Switching Method	Store and Forwarding / Cut Through	
Packet Buffer	9MB	
CPU Model/ Frequency	SOC(Dual core, ARM A53)	
Flash	8GB(eMMC)	
Memory	1GB	
Hardware Configuration	Main Board Spec	48 x 1GE Base-T Port 4 x 10GE SFP+ Port
	Console Type	RJ45
	Outband Eth Management Port	Support
	Inband Eth Management Port	Support
	USB Ports	Support
2. Performance Spec		
Switching Capacity	Switching Capability	176 Gbps
	Throughput	132 Mpps
	Latency	700 ns *
3. Hardware and Software Description		
Hardware Summary	Standard 1U 19" Rack Mountable 48 x 1GE Base-T Port 4 x 10GE SFP+ Port	
Software Upgrade Method	TFTP/FTP	
Service interruption time when reboot system for software update	Less Than 120s	
4. The Power Supply and Power Requirements		
Type of Power Supply	AC	Support
	DC	Support
Power Supply Range	AC	Operating Voltage: 100 ~ 240V; 50/60Hz Maximum Voltage: 90 ~ 264V; 47~63Hz
	DC	Operating Voltage: -48V ~ -60V
Double Power Input	Support	
Power Supply Module Pluggable	Support	
Max Power Draw	~100W *	
5. Overcurrent and overvoltage protection		
Overcurrent/Overvoltage Protection	Yes	
Surge Protection Level	2 KV	
6. Others		
Hardware Size (H×W×D) in.	4.36 x 44.0 x 40.0 cm (1.73 x 17.5 x 15.8 in.) *	
Weight (kg)	~5kg (Include 2 Power Modules) *	
Cooling Mode	Fan Cooling (Front-to-Rear Airflow)	
Quantity of Fans	3	
Fan Module Pluggable	Not Support (Fixed Fan)	
Fan Module Intelligent Speed Control	Support	
Operating Temperature Range	0°C - 45°C	

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