

LINKSAFE MLS 3628F

LinkSafe MLS 3628F (Data plane) developed by LanCS Networks on the FPGA platform that provides high performance Layer 2 and Layer 3 networking features.



- Interfaces: 24 x 1GbE and 4x SFP uplinks;
- Built on the IPCore FPGA platform;
- Ready to integrate with different types of control planes;
- High performance with up to 56 Gbps switching.

Hardware based on FPGA

The data plane is designed on the basis of FPGA, allowing the switch's capacity to reach a bandwidth of up to 56 Gbps.

Ready to integrate with the control plane

The LinkSafe MLS 3628F offers full functionality and transformation capabilities that can be deployed in the data plane. The network core (Network IP-Core) of the system is standardized according to AXI - MemoryMap to be ready to pair with a 3rd party control plane (Third Party).

Layer 2 network features

In addition to high-speed data conversion, the data plane of the MLS device is supplemented with standards and encapsulation features such as: 802.1q VLAN Tag, Trunking, Port Mirroring and Jumbo frames.

Platform for routing features

LinkSafe MLS 3628F supports flexible selection of switch or non-switch mode on network interfaces. On non-switch interfaces, static routing is supported with routing tables up to 20K entries.



DETAILED FEATURES

LINKSAFE MLS 3628F

Interface	
Ethernet Ports	24 x 1GbE
	4 x SFP
Management	1 x RJ45-to-RS232 serial port (115200, 8, N, 1) 1 x USB 2.0
ports LED	System: PWR/DC/MGMT/SYS Ports: LNK/ACT
Performance	
Switch Architecture	Store-and-forward
Switching Capacity	56Gbps
Address Table	4K MAC address table with auto learning function
Jumbo Frame	9 KB (28 port)
Port Configuration	Switch or non-Switch
MAC address table	Auto learning MAC Address Static learning MAC address
VLAN	802.1Q tagged based VLAN. 4K VLAN ID Support 4K VLAN active
Port Mirroring	Monitor traffic: Rx/Tx/Both
Multicast	Up to 2K multicast groups (IPv4)
Ipv4 unicast Routing	2K with Static Routing Inter VLAN routing
Management Features	
Configuration	Via Lancs App-Config
Dimensions and Power	
Form	1U
Fan	Fanless Design
Storage Temperature	-20°C ~ 75°C (-4°F ~ 167°F)
Operating Temperature	0°C ~ 40°C (32°F ~ 104°F)
Relative Humidity	5~95% non-condensing, wet bulb: 27 °C
Dimensions (W x D x H) mm	440 x 240 x 43.6
Power	100 V ~ 240 V

LINKSAFE DCMLS 5656

LinkSafe DCMLS 5656 developed by LanCS Networks using the latest Marvell Prestera™ chip with a high number of interfaces, high bandwidth, optimized power saving, all integrated into a compact 1RU design serving the most demanding applications and modern data center.



- Network interfaces include: 48 x 10G/25 SFP28; 8 x 40G/100G QSFP28
- Up to 2 Tbps switching capacity.
- Application for switching in Data Center.



High performance

Access port with speed up to 10/25G and 100G provide high bandwidth connection up to 2Tbps.



Easy to upgrade

Flexible in updating software and functions locally or remotely, easy to configure and use.



SD-WAN & SASE

Integrating the capabilities of leading security and networking solutions (SD-WAN & SASE) enables efficient and secure connectivity.

Hiệu năng thiết bị

Content	Value
Switching capability	Up to 2 Tbps
MAC address table	128 K Entries
ARP table	128 K Entries
Routing Table	128K Entries (IPv4 + IPv6)
Jumbo Frame	9K