

# LINKSAFE CSX5R 5614



**LinkSafe CSX5R 5614** is a full-featured Layer 2, Layer 3 and MPLS router line, applicable to Cell Site Routers of 4G, 5G networks - with native time synchronization protocols such as IEEE-1588 v2 and synchronous Ethernet. The LinkSafe CSX5R 5614 is engineered with the latest Marvell Prestera™ Series with diverse connectivity, high sync capabilities, harsh environmental conditions, all packed into a compact 1RU design, suitable for telecommunications service providers.



- Network interfaces include: 12 x 10G/25 SFP28; 2 x 40G/100G QSFP28
- Up to 500 Gbps switching capacity.
- Zero Touch auto-configuration support

## The outstanding features of the LinkSafe CSX5R 5614 include:

- High processing performance with up to 500 Gbps switching capacity;
- Fully integrated Layer 2 and Layer 3 networking functions;
- Full support for MPLS label switching protocol and MPLS VPN processing;
- Multicast redirection handling;
- Information security;
- Centralized configuration and management.

## Processing performance

Content	Value
Switching Capability	500 Gbps
MAC Address Table	32K Entries
ARP . Table	16K Entries
Routing table	32K Entries (IPv4 + IPv6)
Table ACL	16K Entries
Handling MAC sec	400 Gbps
IP sec . handling	40 Gbps



# DETAILED FEATURES

## LINKSAFE CSX5R 5614

Interface	
Ethernet Ports	12 x 10G/25 SFP28 ports 2 x 40G/100G QSFP28 ports
Management ports	1 x RJ45 Mgmt port 1 x RJ45 Console port 1 x USB2.0 Type A Mgmt port
Timing Interfaces	1 x ToD Input/Output 1 x 10MHz Input/Output 1 x 1pps Input/Output
LED	System: PWR/DC/MGMT/SYS Ports: LNK/ACT
Key Feature	
Layer 2 Ethernet	Support 802.1Q virtual LAN (VLAN), IEEE 802.3ad Link Aggregation Control Protocol, BVI – Bridged Virtual Interface, QinQ, G.8032 Ethernet Ring Protection Switching, Broadcast storm protection, LLDP, Jumbo Frames up to 9600 bytes
Layer 3 Routing	IPv4, IPv6, BGP-4, MP-BGP, BGP FRR, BGP-LS, IS-IS, OSPF v2/v3, VRRPv2/v3, DHCP relay/Server
MPLS	LFA/RLFA, RSVPTE including FRR, LDP, T-LDP, mLDP, Segment Routing, PCEP, Seamless MPLS, CSPF, PBF, NSR support for OSPFv2,v3,ISIS,BGP, LDP, mLDP *, EVPN
Layer-2/Layer-3 Virtual Private Networking	L3 MPLS VPNs, 6VPE, Inter-autonomous-system MPLS VPN (options A, B, C), VPWS for E-Line Services, VPLS/H-VPLS for E-LAN Services, Pseudowire redundancy, MEF CE1.0/2.0 Compliant
Multicast	IPv4/IPv6 multicast, PIM-SM/SSM, IGMP v1/v2/v3, MLDv2,MVPN
Timing and Synchronization	ITU-T Synchronous Ethernet ; (SyncE) G.8262 ; IEEE 1588v2 T-TC,T-BC ClassC ; IEEE 802.1CM TSN for Fronthaul ; Profile B; Frame Preemption
Operation and Maintenance	IEEE 802.1ag Connectivity Fault Management, ITU-T Y.1731 (DM, SLM and Throughput), Microwave Bandwidth Notification, MACSWAP, MPLS Ping /Traceroute, BFD IPv4 & IPv6 Single



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Key Feature	
Security	Secure boot, Vendor credential, Secured storage, Access control lists, RADIUS, LDAP, SSH v1/v2, MD5 support for routing protocols, Reverse-path forwarding, IPsec, IKEv2, CMPv2, CRL, MACsec
Quality of Service	Strict-queuing, weighted fair queuing, priority-weighted fair queuing, Multi-tier Hierarchical QoS, 8Gb of packet buffers, RED/Weighted RED, Ingress policing, Egress shaping, 802.1p, MPLS EXP bits, Differentiated Services
Network Management	Web GUI/ CLI, SNMP v2c/v3, NETCONF, YANG models, Syslog, RMON,, Zero touch provisioning with auto-integration
5G x-haul	Enhanced CPRI
Dimensions and Power	
Dimensions (W x D x H)	440 x 250 x 47 mm, 1U height
Power Consumption	170 Watts (System Max) 140 Watts (Typical) Redundant 1 + 1 PSU modules
Power Requirements	AC 100 ~ 240V, 50/60Hz DC 36 ~ 75V
Operating	Temperature: -40°C to 65°C (-40°F to 149°F) Relative Humidity: 5 ~ 95% (non-condensing)
Storage	Temperature: -40 ~ 70 degrees C Relative Humidity: 5 ~ 95% (non-condensing)