# Celestica Solutions for SONiC

Celestica Solutions for SONiC is an open source, validated and supported Network Operating System. Fully tested under various topologies and load conditions, Celestica Solutions for SONiC deliver the highest level of performance and stability for production-ready deployment. Customers can feel confident that they are free from vendor lock-in, as all defects and fixes noted during the rigorous testing and validation processes have been shared with the SONiC community as open source.

Celestica Solutions for SONiC is supported on Celestica's entire portfolio of disaggregated networking switches, which includes multiple silicon options and various port and speed configurations, enabling production-ready deployment in a multitude of use cases from the data center to the edge.

Celestica Solutions for SONiC supports 1G, 25G, 100G, 400G & 800G
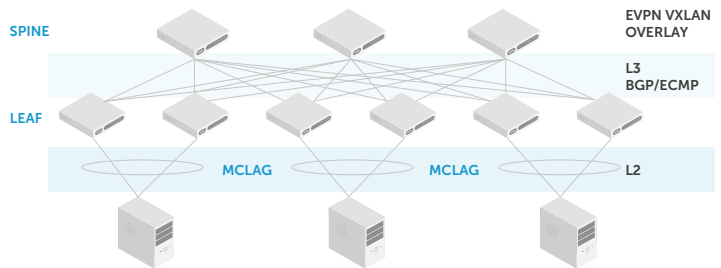
MANAGEMENT / TELEMETRY / MONITORING

- sFlow
- NTP
- Mirroring
- SNMP / net-snmp agent and supported SONiC MIB
- SNMPv3
- Ethernet management port
- Environment reporting
- Support for gRPC / gNMI telemetry

LAYER 2

- Link aggregation - LACP
- VLAN
- MAC, ARP
- LLDP
- DHCPv4 relay agent
- L2 MCLAG
- DHCPv6 relay agent

LAYER 3

- FIB, IPv4 / IPv6
- VRF
- BGPv4+, Support IPv4 / IPv6
- BGP Multipath
- ECMP
- L3 MCLAG
- ECN / WRED
- PFC
- RoCEv2

Enterprise-Class Quality. Cloud Economics.

ACL / QOS / TRAFFIC MANAGEMENT

L3 – IPv4 / IPv6 Ingress ACLs

ACL support on LAG interface

ACL support on VLAN (IEEE 802.1Q)

QOS buffer management

QoS Mapping:
- Traffic classification (dot1p, dscp)
- Remarking (dot1p, dscp)
- Queuing
- Scheduling (WRR)

SYSTEM/OS

ZTP

FW & SONiC update

Syslog / Technical support log

CRM - Critical resource monitoring

COPP - Control plane policy

Hostname

System management (clock, uptime, process statistics, memory statistics, services statistics, health summary, environment data, logging and user sessions)

Configuration backup & restore

Feature management

SECURITY / TIMING

MACsec

TACACS+

RADIUS AAA

BUM storm control

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