SONiC

Larch Networks build SONIC-Based

Larch Networks build SONIC-Based switched products, integrating them with SONIC and leveraging modern DPU technologies. SONiC is an open source network operating system based on Linux that powers Microsoft Global Cloud

Whole range of applications

- Access
- Campus
- Data Center

Portfolio of ready-to-use hardware platforms with POE+ choice of power budgets and options.

- 48x1G+4x10Gbps
- 24x1G+4x10Gbps
- 48x2,5G+4x10Gbps
- 24x2,5+4x10Gbps
- 48x10G+6x100G
- 32x100G
- 32x400G

There are 40 different SKUs

Available to order.

Centralized fleet management

- UCentral

SONiC Functions

Layer 2/3 Feature list

- BGP / BGP MP
- BGP/Neighbor-down fib-accelerate
- BGP-EVPN support (type 5), (related HLD Fpmsyncd,Vxlanmgr,template)
- ECMP
- LAG
- ACL permit/deny, IPv6 ACL
- LLDP
- DHCP
- VLAN
- CoPP
- IPv6
- VLUN Trunk
- FRR
- Priority Flow Control
- Asymmetric PFC
- PFC Watermark
- DHCP Relay Agent
- Tunnel Decap
- LACP Fallback
- MTU Setting
- Vlan Trunk
- Static Port breakout
- Dynamic ACL Upgrade
- MAC Aging
- L3 RIF counter support
- Configurable drop counters

Monitoring

- SNMP
- Syslog
- EverFlow
- OOM
- TCPDump
- Critical Recourse Monitor
- Dtel
- Mirroring
- Egress mirroring and
- ACL action support check via SAI
- Streaming Telemetry
- Everflow enhancement
- sFlow
- HW resource monito

QoS

- RDMA
- ECN
- PFC WD
- WRED
- COS
- Watermark

System

- NTP
- ONIE Install
- CLI
- TACACS+
- ConfigDB
- SONiC to SONiC upgrade
- Multiple Images support
- gRPC
- Sensor transceiver monitoring
- LLDP extended MIB: lldpremtable, lldplocporttable, lldpremmanaddrtable, lldplocmanaddrtable, lldplocporttable, lldpLocalSystemData
- Warm Reboot
- Incremental Config (IP, LAG, Port shut/unshut)
- Routing Stack Graceful Restart
- Mgmt VRF
- Management Framework
- Multi-DB optimization-Part 1
- Sub-port support
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Virtualization

- L3 VxLAN
- VRF

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