



Dell EMC PowerSwitch S4100-ON

High-performance open networking top-of-rack switches with multirate Gigabit Ethernet and unified ports

The S4100-ON 10GbE switches comprise Dell EMC's latest disaggregated hardware and software data center networking solutions, providing state-of-the-art 100GbE uplinks, fibre channel connectivity and a broad range of functionality to meet the growing demands of today's data center environment. These innovative, next-generation top-of-rack open networking switches offer optimum flexibility and cost-effectiveness for the enterprise, mid-market and Tier2 cloud service provider with demanding compute and storage traffic environments.

The compact S4100-ON models provide industry-leading density with up to 48 ports of 10GbE or up to 48 ports of 10GBaseT ports, 2 ports of 40GbE and 4 ports of 100GbE in a 1RU form factor. The S4148U-ON model can support up to 28 8/16G fibre channel ports, or 16 ports of 32G* fibre channel ports. The S4112-ON is a half-rack width model that supports up to 12 ports of 10GbE or 12 ports 10GBaseT, and 3 ports of 100GbE.

Using industry-leading hardware and a choice of Dell EMC's OS10 or select 3rd party network operating systems and tools, the S4100-ON Series offers flexibility by provision of configuration profiles and delivers non-blocking performance for workloads sensitive to packet loss. The compact S4100-ON models provide multirate speed, enabling denser footprints and simplifying migration to 100Gbps.

Also unique to the S4100-ON series is the ability to meet the demands of converged and virtualized data centers by offering unified ports (S4148U) and hardware support for L2 and L3 VXLAN Gateway. Priority-based flow control (PFC), data center bridge exchange (DCBX) and enhanced transmission selection (ETS) make the S4100-ON ideally suited for DCB environments.

Dell EMC PowerSwitch S4100-ON switches support the open source Open Network Install Environment (ONIE)

* Not line rate

for zero touch installation of Dell EMC's OS10 networking operating system, as well as of alternative network operating systems.

Maximum performance and functionality

The S4100-ON series are high-performance, multi-function, 1/10/25/40/50/100 GbE and 8/16/32G FC Top-of-Rack (ToR) switches purpose-built for applications in high-performance data center, cloud and computing environments.

Architectural features to optimize data center network flexibility, efficiency and availability include IO panel to PSU airflow or PSU to IO panel airflow for hot/cold aisle environments and redundant, hot-swappable power supplies and fans.

Key applications

- Organizations looking to enter the software-defined data center era with a choice of networking technologies designed to maximize flexibility
- Multi-functional 1/10/25/40/50/100 GbE switching in High Performance Computing Clusters or other business-sensitive deployments requiring the highest bandwidth. High-density 1/10 GbE ToR server access in high-performance data center environments
- iSCSI and FC storage deployment, including DCB converged lossless transactions
- Small-scale data center fabric implementation via the S4100-ON switch in leaf and spine along with S-Series 1/10GbE ToR switches
- VXLAN layer 2/layer 3 gateway support (available in hardware only)

Key features

- 1RU high-density 10/40/100 GbE ToR switches with up to 48 ports of 10 GbE (SFP+) or up to 48 ports of 10GBaseT ports, or up to 28 ports of 8/16 fibre channel, two ports of 40 GbE (QSFP+), and up to four ports of 100GbE (QSFP28) or four ports of 8/16/32G fibre channel
- The S4112 is a 1RU, half-rack width 10/100GbE ToR switch with up to 12 ports of 10GbE (SFP+) or up to 12 ports of 10GBaseT ports, and up to three ports of 100GbE (QSFP28).
- Multi-rate 100GbE ports support 10/25/40/50 GbE. 40GbE ports support 10GbE. 10GbE ports support 1GbE. Up to four different simultaneous speeds are possible in a given profile.
- Supports dynamic reconfiguration of unified ports on S4148U product as 10GbE or 8/16G FC on SFP+ ports, and 25GbE or 16/32Gb FC on QSFP28 ports
- 1.76Tbps (full-duplex) non-blocking, cut-through switching fabric delivers line-rate performance under full load on S4148F-ON, S4148FE-ON, S4148T-ON and S4148U-ON.
- 960Gbps (full-duplex) non-blocking, cut-through switching fabric delivers line-rate performance under full load on S4128F-ON and S4128T-ON.
- 840Gbps (full-duplex) non-blocking, cut-through switching fabric delivers line-rate performance under full load on S4112F-ON and S4112T-ON.
- VXLAN gateway functionality support for bridging and routing the non-virtualized and the virtualized overlay networks with line rate performance
- Converged Network support with DCB
- IO panel to PSU airflow or PSU to IO panel airflow
- Redundant, hot-swappable power supplies and fans (S4112-ON has redundant, fixed power supplies and fans)

- Support for 10GBASE-LRM optics over OM1/OM2 fiber on S4148FE-ON product (not supported on other products in S4100 product family)
- IEEE 1588v2 supported (hardware only) on 48 port models

Key Features with Dell EMC Networking OS10

- Consistent DevOps framework across compute, storage and networking elements
- Standard networking features, interfaces and scripting functions for legacy network operations integration
- Standards-based switching hardware abstraction via Switch Abstraction Interface (SAI)
- Pervasive, unrestricted developer environment via Control Plane Services (CPS)
- OS10 Enterprise Edition software enables Dell EMC layer 2 and 3 switching and routing protocols with integrated IP services, quality of service, manageability and automation features
- Leverage common open source tools and best practices (data models, commit rollbacks)
- Increase VM Mobility region by stretching L2 VLAN within or across two DCs with unique VLT capabilities
- Scalable L2 and L3 Ethernet Switching with QoS, ACL and a full complement of standards based IPv4 and IPv6 features including OSPF, BGP and PBR
- Enhanced mirroring capabilities including local mirroring, Remote Port Mirroring (RPM), and Encapsulated Remote Port Mirroring (ERPM).
- Converged network support for Data Center Bridging, with priority flow control (802.1Qbb), ETS (802.1Qaz), DCBx and iSCSI TLV

	S4112F-ON	S4112T-ON	S4128F-ON	S4128T-ON	S4148F-ON	S4148FE-ON	S4148T-ON	S4148U-ON
Ports	12xSFP+ 3xQSFP28	12x10GbT 3xQSFP28	28xSFP+ 2xQSFP28	28x10GbT 2x QSFP28	48xSFP+ 2xQSFP+ 4xQSFP28	48xSFP+ 2xQSFP+ 4xQSFP28	48x10GbT 2xQSFP+ 4xQSFP28	48xSFP+ 2xQSFP+ 4xQSFP28
Unified port								●
Max 10GbE density	24	24 (12 10GbT and 12 SFP+)	36	36 (28 10GbT and 8 SFP+)	72	72	72 (48 10GbT and 24 SFP+)	72
Max 25GbE density	12	12	8	8	16	16	16	16
Max 40GbE density	3	3	2	2	6	6	6	6
Max 50GbE density	6	6	4	4	8	8	8	8
Max 100GbE density	3	3	2	2	4	4	4	4
Max FC 8G/16G ports (over-subscribed)	0	0	0	0	0	0	0	40
Max FC 16G line rate	0	0	0	0	0	0	0	28
Max FC 32G ports (over-subscribed)	0	0	0	0	0	0	0	16
Max FC 32G line rate	0	0	0	0	0	0	0	8
Switching capacity	840Gbps	840Gbps	960Gbps	960Gbps	1.76Tbps	1.76Tbps	1.76Tbps	1.76Tbps
Throughput	630Mpps	630Mpps	720Mpps	720Mpps	1320Mpps	1320Mpps	1320Mpps	1320Mpps
Latency (nano sec)	800	2500	800	2500	800	850	2500	800
LRM optics support						●		
1588v2 PTP timing					●	●	●	●
Maximum power consumption	180W	200W	260W	300W	370W	400W	440W	460W
Typical operating power	90W	120W	160W	250W	200W	240W	320W	300W
Number of fan trays	Fixed	Fixed	4	4	4	4	4	4
Fans per fan tray	3	3	1	1	1	1	2	2
Weight	8.30lbs	8.45lbs	19.66 lbs (8.92 kg)	20.67 lbs (9.38 kg)	20.15 lbs (9.14 kg)	20.85 lbs (9.46 kg)	22.37 lbs (10.15 kg)	20.52 lbs (9.31 kg)
Max thermal output	614 BTU/ hour	682 BTU/ hour	886 BTU/h	1,023 BTU/h	1261 BTU/h	1,364 BTU/h	1,500 BTU/h	1,568 BTU/h

● Supported

Product	Description
S4100-ON	<p>S4112F, 12x 10GbE SFP+, 3x 100GbE QSFP28, 2x AC Fixed PSU, 3x Fixed Fan, I/O Panel to PSU Airflow</p> <p>S4112F, 12x 10GbE SFP+, 3x 100GbE QSFP28, 2x AC Fixed PSU, 3x Fixed Fan, I/O PSU to I/O Panel Airflow</p> <p>S4112T, 12x 10GBASE-T, 3x 100GbE QSFP28, 2x AC Fixed PSU, 3x Fixed Fan, I/O Panel to PSU Airflow</p> <p>S4112T, 12x 10GBASE-T, 3x 100GbE QSFP28, 2x AC Fixed PSU, 3x Fixed Fan, I/O PSU to I/O Panel Airflow</p> <p>S4112F, 12x 10GbE SFP+, 3x 100GbE QSFP28, 2x DC Fixed PSU, 3x Fixed Fan, I/O Panel to PSU Airflow</p> <p>S4112F, 12x 10GbE SFP+, 3x 100GbE QSFP28, 2x DC Fixed PSU, 3x Fixed Fan, I/O PSU to I/O Panel Airflow</p> <p>S4112T, 12x 10GBASE-T, 3x 100GbE QSFP28, 2x DC Fixed PSU, 3x Fixed Fan, I/O Panel to PSU Airflow</p> <p>S4112T, 12x 10GBASE-T, 3x 100GbE QSFP28, 2x DC Fixed PSU, 3x Fixed Fan, I/O PSU to I/O Panel Airflow</p> <p>S4128F, 28x 10GbE SFP+, 2x 100GbE QSFP28, 2x AC PSU, 4x Fan module, I/O Panel to PSU Airflow</p> <p>S4128F, 28x 10GbE SFP+, 2x 100GbE QSFP28, 2x AC PSU, 4x Fan module, PSU to I/O Panel Airflow</p> <p>S4128T, 28x 10GBASE-T, 2x 100GbE QSFP28, 2x AC PSU, 4x Fan module, I/O Panel to PSU Airflow</p> <p>S4128T, 28x 10GBASE-T, 2x 100GbE QSFP28, 2x AC PSU, 4x Fan module, PSU to I/O Panel Airflow</p> <p>S4148F, 48x 10GbE SFP+, 2x QSFP+, 4x 100GbE QSFP28, 2x AC PSU, 4x Fan module, I/O Panel to PSU Airflow</p> <p>S4148F, 48x 10GbE SFP+, 2x QSFP+, 4x 100GbE QSFP28, 2x AC PSU, 4x Fan module, PSU to I/O Panel Airflow</p> <p>S4148FE, 48x 10GbE SFP+, 2x QSFP+, 4x 100GbE QSFP28, 2x AC PSU, 4x Fans, I/O Panel to PSU Airflow</p> <p>S4148FE, 48x 10GbE SFP+, 2x QSFP+, 4x 100GbE QSFP28, 2x AC PSU, 4x Fan module, PSU to I/O Panel Airflow</p> <p>S4148T, 48x 10GBASE-T, 2x QSFP+, 4x 100GbE QSFP28, 2x AC PSU, 4x Fan module, I/O Panel to PSU Airflow</p> <p>S4148T, 48x 10GBASE-T, 2x QSFP+, 4x 100GbE QSFP28, 2x AC PSU, 4x Fan module, PSU to I/O Panel Airflow</p> <p>S4148U, 24x Unified port SFP+, 24x 10GbE SFP+, 2x QSFP+, 4x Unified port QSFP28, 2x AC PSU, 4x Fan module, I/O Panel to PSU Airflow</p> <p>S4148U, 24x Unified port SFP+, 24x 10GbE SFP+, 2x QSFP+, 4x Unified port QSFP28, 2x AC PSU, 4x Fan module, PSU to I/O Panel Airflow</p>
Redundant power supplies (not applicable to S4112)	<p>S4100, AC Power Supply, IO Panel to PSU Airflow</p> <p>S4100, AC Power Supply, PSU to IO Panel Airflow</p> <p>S4100, DC Power Supply, IO Panel to PSU Airflow (available as custom kit)</p> <p>S4100, DC Power Supply, PSU to IO Panel Airflow (available as custom kit)</p> <p>S4100, HV DC Power Supply, IO Panel to PSU Airflow</p> <p>S4100, HV DC Power Supply, PSU to IO Panel Airflow</p>
Fans (not applicable to S4112)	<p>S4100 fan module, IO Panel to PSU Airflow</p> <p>S4100 fan module, PSU to IO Panel Airflow</p>
Optics	<p>Transceiver, 10GbE, SR SFP+, short reach</p> <p>Transceiver, 10GbE, LR SFP+, long reach</p> <p>Transceiver, 10GbE, ER SFP+, extended reach</p> <p>Transceiver, 10GbE, ZR SFP+ extra extended reach 10G,</p> <p>Transceiver, 10GbE, USR, SFP+</p> <p>Transceiver, 10GbE, LRM, SFP+ (for S4148FE only)</p> <p>Transceiver, 10GBASE-T use with QSA in QSFP+ port, 30m reach on CAT6a/7</p> <p>Transceiver, 40GbE, SR4 optic QSFP+ Transceiver, 40GbE, eSR4 optic QSFP+</p> <p>Transceiver, 40GbE, LR4 optic QSFP+</p> <p>Transceiver, 40GbE, ER4 optics QSFP+</p> <p>Transceiver, 40GbE, PSM4-LR MPO 10Km QSFP+ to LC</p> <p>Transceiver, 40GbE, LM4 / SM4 Duplex QSFP+</p> <p>Transceiver, 100GbE, SR4 QSFP28</p> <p>Transceiver, 100GbE, LR4 QSFP28</p> <p>Transceiver, 100GbE, LR4Lite QSFP28</p> <p>Transceiver, 100GbE, CWDM4 2Km QSFP28</p> <p>Transceiver, 100GbE, PSM4 500m QSFP28</p> <p>Transceiver, 100GbE, PSM4-IR, QSFP28</p> <p>Transceiver, SFP+, 16Gbps Fibre Channel, SWL, 850nm, LC Duplex (S4148U model only)</p> <p>Transceiver, SFP+, 16Gbps Fibre Channel, LWL, 1310nm, LC SMF (S4148U model only)</p> <p>Transceiver, QSFP+, 4x16Gbps Fibre Channel, SW4, 850nm, MPO MMF (S4148U model only)</p> <p>Transceiver, QSFP28, 4x32Gbps Fibre Channel, SW4, 850nm, MPO MMF (S4148U model only)</p>

Product	Description
Cables	40GbE, QSFP+ to QSFP+, active optical 40GbE, QSFP+ to QSFP+, passive DAC 40GbE, MTP to 4xLC optical breakout 40GbE, 4x10GbE, QSFP+ to 4xSFP+, passive DAC 100GbE, 4x25GbE, QSFP28 to 4xSFP28, passive DAC 100GbE, QSFP28 to QSFP28, active optical 100GbE, QSFP28 to QSFP28, passive DAC 100GbE, 2x50GbE, QSFP28 to 2xQSFP28, passive DAC, breakout (*)

Technical specifications

Physical 1 RJ45 console/management port with RS232 signaling 1 RJ45 micro-USB-B console port 1 RJ45 10/100/1000Base-T management Ethernet port Size: 1 RU, 1.75"(h) x 17"(w) x 18"(d) (4.4cm (h) x 43.1cm (w) x 45.7cm (d)) S4112: 1.7"(h) x 8.28"(w) x 18"(d) (4.125cm (h) x 20.9cm (w) x 45cm (d)) Power supply: 100–240 VAC 50/60 Hz Power supply (DC), applicable to S4112: rated -40 to -72 VDC Max. current draw per system: 6A/5A at 100/120V AC; 3A/2.5A at 200/240V AC S4112: 2A/1.7A at 100/120V AC; 1A/0.8A at 200/240V AC S4112 (DC): -40V/5A, -48V/4.2A, -72V/2.8A Max. operating specifications: Operating temperature: 41° to 104° F (5° to 40° C) Operating humidity: 5 to 85% (RH), non-condensing Max. non-operating specifications: Storage temperature: -40° to 149° F (-40° C to 65° C) Storage humidity: 5 to 95% (RH), non-condensing	MSTP: 32 instances LAG load balancing: Based on layer 2, IPv4 or IPv6 headers L2 Ingress ACL: 6K L2 Egress ACL: 1K IPv4 Ingress ACL: 6K IPv4 Egress ACL: 1K IPv6 Ingress ACL: 3K IPv6 Egress ACL: 500	Layer2 Protocols 802.1D Compatible 802.1p L2 Prioritization 802.1Q VLAN Tagging 802.1s MSTP 802.1w RSTP 802.1t RPVST+ 802.3ad Link Aggregation with LACP VLT (Virtual Link Trunking) VLT Enhancements Minloss Upgrades VLT Proxy Gateway RVPST over VLT DCB, FSB, iSCSI over VLT RSPAN over VLT
Redundancy Hot swappable redundant power (not applicable to S4112) Hot swappable redundant fans (not applicable to S4112) Fixed, redundant power supply and fan for S4112	Storage performance parameters iSCSI Sessions: 255 iSCSI Target: 16 F-Port: Max F-Port Sessions: 526 F-Port: Max members in a zone: 526	RFC Compliance 768 UDP 793 TCP 854 Telnet 959 FTP 1321 MD5 1350 TFTP 2474 Differentiated Services 2698 Two Rate Three Color Marker 3164 Syslog 4254 SSHv2
Performance Packet buffer memory 12MB CPU memory: 4GB MAC addresses: 272K (in Scaled L2 mode) PVST: 128 instances ARP table 200K (in Scaled L3 host mode) IPv4 routes: 200K (in Scaled L3 routes mode) IPv6 hosts: 64K IPv6 routes: 130K (in Scaled L3 routes mode) Multicast hosts: 8K Link aggregation: 32 links per group, 128 groups Layer 2 VLANs: 4K Layer3 VLANs: 500	Dell EMC Networking OS10.3 Enterprise Edition Software Specifications IEEE Compliance 802.1AB LLDP TIA-1057 LLDP-MED 802.1s MSTP 802.1w RSTP 802.3ab Gigabit Ethernet (1000Base-T) 802.3ad Link Aggregation with LACP 802.3ae 10 Gigabit Ethernet (10GBase-X) 802.3ba 40 Gigabit Ethernet (40GBase-X) 802.3i Ethernet (10Base-T) 802.3u Fast Ethernet (100Base-TX) 802.3z Gigabit Ethernet (1000BaseX) 802.1D Bridging, STP 802.1p L2 Prioritization 802.1Q VLAN Tagging, GVRP 802.1Qbb PFC 802.1Qaz ETS 802.1s MSTP 802.1w RSTP PVST+ 802.1X Network Access Control 802.3ab Gigabit Ethernet (1000BASE-T) or breakout 802.3ac Frame Extensions for VLAN Tagging 802.3ad Link Aggregation with LACP 802.3ae 10 Gigabit Ethernet (10GBase-X) 802.3ba 40 Gigabit Ethernet (40GBase- SR4, 40GBase-CR4, 40GBase-LR4, 100GBase-SR10, 100GBase-LR4, 100GBase-ER4) on optical ports 802.3bj 100 Gigabit Ethernet 802.3u Fast Ethernet (100Base-TX) on mgmt ports 802.3x Flow Control 802.3z Gigabit Ethernet (1000Base-X) with QSA ANSI/TIA-1057 LLDP-MED Jumbo MTU support 9,416 bytes	General IPv4 Protocols 791 IPv4 792 ICMP 826 ARP 1027 Proxy ARP 1035 DNS (client) 1042 Ethernet Transmission 1191 Path MTU Discovery 1305 NTPv4 1519 CIDR 1812 Routers 1858 IP Fragment Filtering 2131 DHCP (server and relay) 5798 VRRP 3021 31-bit Prefixes 3046 DHCP Option 82 (Relay) 1812 Requirements for IPv4 Routers 1918 Address Allocation for Private Internets 2474 Diffserv Field in IPv4 and Ipv6 Headers 2597 Assured Forwarding PHB Group 3195 Reliable Delivery for Syslog 3246 Expedited Forwarding PHB 4364 VRF-lite (IPv4 VRF with OSPF and BGP)* COPP: Control Plane Policing Policy Based Routing

Technical specifications

General IPv6 Protocols

1981	Path MTU Discovery*
2460	IPv6
2461	Neighbor Discovery*
2462	Stateless Address AutoConfig
2463	ICMPv6
2464	Ethernet Transmission
2675	Jumbo grams
3587	Global Unicast Address Format
4291	IPv6 Addressing
2464	Transmission of IPv6 Packets over Ethernet Networks
2711	IPv6 Router Alert Option
4007	IPv6 Scoped Address Architecture
4213	Basic Transition Mechanisms for IPv6 Hosts and Routers
4291	IPv6 Addressing Architecture
5095	Deprecation of Type 0 Routing Headers in IPv6
IPv6	Management support (telnet, FTP, TACACS, RADIUS, SSH, NTP)

OSPF

1587	NSSA
1745	OSPF/BGP interaction
1765	OSPF Database overflow
2154	MD5
2328	OSPFv2
2370	Opaque LSA
3101	OSPF NSSA
3623	OSPF Graceful Restart (Helper mode)*

Security

2865	RADIUS
3162	Radius and IPv6
4250, 4251, 4252, 4253, 4254	SSHv2
4301	Security Architecture for IPsec*
4302	IPsec Authentication Header*
4303	ESP Protocol*

BGP

1997	Communities
2385	MD5
2439	Route Flap Damping
2796	Route Reflection
2842	Capabilities
2918	Route Refresh
3065	Confederations
4271	BGP-4
4360	Extended Communities
4893	4-byte ASN
5396	4-byte ASN Representation
5492	Capabilities Advertisement

Linux Distribution

Debian Linux version 8.4
Linux Kernel 3.16

MIBS

IP MIB– Net SNMP
IP Forward MIB– Net SNMP
Host Resources MIB– Net SNMP
IF MIB – Net SNMP
LLDP MIB
Entity MIB
LAG MIB
Dell-Vendor MIB
TCP MIB – Net SNMP
UDP MIB – Net SNMP
SNMPv2 MIB – Net SNMP

Network Management

SNMPv1/2
SSHv2
FTP, TFTP, SCP
Syslog
Port Mirroring
RADIUS
802.1X
Support Assist (Phone Home)
Netconf APIs
XML Schema
CLI Commit (Scratchpad)
sFlow

Automation

Control Plane Services APIs
Linux Utilities and Scripting Tools

Quality of Service

Access Control Lists
Prefix List
Route-Map
Rate Shaping (Egress)
Rate Policing (Ingress)
Scheduling Algorithms
Round Robin
Weighted Round Robin
Deficit Round Robin
Strict Priority
Weighted Random Early Detect

Data center bridging

802.1Qbb Priority-Based Flow Control
802.1Qaz Enhanced Transmission Selection (ETS)*
Data Center Bridging eXchange (DCBx)
DCBx Application TLV (iSCSI, FCoE*)

Fibre Channel (applicable only to S4148U-ON)

FCF F-Port
FC Zoning

Regulatory compliance

Safety

UL/CSA 60950-1, Second Edition
EN 60950-1, Second Edition
IEC 60950-1, Second Edition Including All National Deviations and Group Differences
EN 60825-1 Safety of Laser Products Part 1: Equipment
Classification Requirements and User's Guide
EN 60825-2 Safety of Laser Products Part 2: Safety of Optical Fibre Communication Systems
FDA Regulation 21 CFR 1040.10 and 1040.11

Emissions

Australia/New Zealand: AS/NZS CISPR 32: Class A
Canada: ICES-003, Issue-4, Class A
Europe: EN 55032: 2015+A1:2007 (CISPR 32), Class A
Japan: VCCI V3/2009 Class A
USA: FCC CFR 47 Part 15, Subpart B:2009, Class A

Immunity

EN 300 386 V1.4.1:2008 EMC for Network Equipment
EN 55024: 1998 + A1: 2001 + A2: 2003
EN 61000-3-2: Harmonic Current Emissions
EN 61000-3-3: Voltage Fluctuations and Flicker
EN 61000-4-2: ESD
EN 61000-4-3: Radiated Immunity
EN 61000-4-4: EFT
EN 61000-4-5: Surge
EN 61000-4-6: Low Frequency Conducted Immunity

RoHS

All S-Series components are EU RoHS compliant.

Certifications

Japan: VCCI V3/2009 Class A
USA: FCC CFR 47 Part 15, Subpart B:2009, Class A

Warranty

1 Year Return to Depot

* Roadmap

IT Lifecycle Services for Networking

Experts, insights and ease

Our highly trained experts, with innovative tools and proven processes, help you transform your IT investments into strategic advantages.



Plan & Design

Let us analyze your multivendor environment and deliver a comprehensive report and action plan to build upon the existing network and improve performance.



Deploy & Integrate

Get new wired or wireless network technology installed and configured with ProDeploy. Reduce costs, save time, and get up and running fast.



Educate

Ensure your staff builds the right skills for long-term success. Get certified on Dell EMC Networking technology and learn how to increase performance and optimize infrastructure.



Manage & Support

Gain access to technical experts and quickly resolve multivendor networking challenges with ProSupport. Spend less time resolving network issues and more time innovating.



Optimize

Maximize performance for dynamic IT environments with Dell EMC Optimize. Benefit from in-depth predictive analysis, remote monitoring and a dedicated systems analyst for your network.



Retire

We can help you resell or retire excess hardware while meeting local regulatory guidelines and acting in an environmentally responsible way.

Learn More at bcdvideo.com/dell-networking
or by contacting sales@bcdinc.com