



S5200 SPEC SHEET





DELL EMC POWERSWITCH S5200-ON SERIES SWITCHES

High-performance, open networking 25GbE top-of-rack and 100GbE spine/leaf switches

The PowerSwitch S5200-ON 25/100GbE fixed switches comprise Dell Technologies' latest disaggregated hardware and software data center networking solutions, providing state-of-the-art, high-density 25/100GbE ports and a broad range of functionality to meet the growing demands of today's data center environment. These innovative, next-generation open networking switches offer optimum flexibility and cost-effectiveness for web 2.0, enterprise, mid-market and cloud service provider with demanding compute and storage traffic environments.

The S5200-ON is a complete family of switches:12-port, 24-port, and 48-port 25GbE/100GbE ToR switches, 96-port 25GbE/100GbE Middle of Row (MoR)/End of Row (EoR) switch, and a 32-port 100GbE Multi-Rate Spine/Leaf switch. From the compact half-rack width S5212F-ON providing an ideal form factor for hyper-converged deployments, to the high density S5296F-ON for Middle of Row deployments, the S5200-ON series offers performance and flexibility for a variety of network designs.

In addition to 100GbE Spine/Leaf deployments, the S5232F-ON can also be used in high density deployments using breakout cables to achieve up to 128 10GbE or 128 25GbE ports.

Using industry-leading hardware and a choice of Dell EMC SmartFabric OS10 or select 3rd party network operating systems and tools, the S5200-ON switches incorporate multiple architectural features that optimize data center network flexibility, efficiency and availability, including IO panel to PSU or PSU to IO panel airflow for hot/cold aisle environments, redundant, hot-swappable power supplies and fans and deliver non-blocking performance for workloads sensitive to packet loss.

Priority-based flow control (PFC), data center bridge exchange (DCBX) and enhanced transmission selection (ETS) make the S5200-ON family ideally suited for DCB environments.

Dell EMC PowerSwitch S5200-ON switches support the open source Open Network Install Environment (ONIE) for zero touch installation of Dell EMC SmartFabric OS10 networking operating system, as well as alternative network operating systems.

Key applications

- Organizations looking to enter the software-defined data center era with a choice of networking technologies designed to maximize flexibility
- High-density 10/25GbE ToR server aggregation in highperformance data center environments at the desired fabric speed with the S5248F-ON or S5296F-ON
- Low-density 10/25GbE server and storage aggregation with the S5212F-ON and S5224F-ON
- Small-scale Fabric implementation via the S5232F-ON switch in leaf and spine along with S5248F-ON 1/10/25GbE ToR switches enabling cost-effective aggregation of 10/25/40/50/100 uplinks
- Multi-functional 10/25/40/50/100GbE switching in High Performance Computing Clusters or other business-sensitive deployments requiring the highest bandwidth.
- iSCSI deployments, including DCB converged lossless transactions
- Single-pass VXLAN routing

Key features

- 1 or 2RU high-density ToR switches with up to 48 or 96 ports of 25GbE or 32 ports of 100GbE
- Multi-rate 100GbE ports support 10/25/40/50/100GbE
- Scalable L2 and L3 Ethernet switching with QoS and a full complement of standards-based IPv4 and IPv6 features, including OSPF and BGP routing support
- Line-rate performance via non-blocking switch fabrics: 3.2Tbps (6.4Tbps full-duplex) on S5296F-ON and S5232F-ON, 2.0Tbps (4.0Tbps full-duplex) on S5248F-ON, and 1.08Tbps (2.16Tbps full-duplex) on S5224F-ON and S5212F-ON
- L2 multipath support via Virtual Link Trunking (VLT) and Routed VLT support

- VXLAN gateway functionality support for bridging and routing the non-virtualized and the virtualized overlay networks with line rate performance
- Support for Dell EMC SmartFabric OS10
- Converged network support for DCB, with priority flow control (802.1Qbb), ETS (802.1Qaz), DCBx and iSCSI TLV support
- Routable RoCE to enable convergence of compute and storage on Leaf/Spine Fabric
- IO panel to PSU airflow or PSU to IO panel airflow Redundant, hot-swappable power supplies and fans on most models
- Supports the open source Open Network Install Environment (ONIE) for zero touch installation of alternate network operating systems
- Tool-less enterprise ReadyRails™ mounting kits for most models reducing time and resources for switch rack installation (S5212F-ON will utilize a tandem tray for mounting)
- Power-efficient operation and Dell Fresh Air 2.0 compliant up to 45°C helps reduce cooling costs in temperature constrained deployments

Key features with Dell EMC SmartFabric 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)
- Dell EMC SmartFabric OS10 software enables Dell EMC layer 2 and 3 switching and routing protocols with integrated IP services, quality of service, manageability and automation features
- OS10 supports Precision Time Protocol (PTP, IEEE 1588v2) to synchronize clocks on network devices
- 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
- BGP EVPN with Integrated Routing and Bridging (IRB) in both Asymmetric and Symmetric modes, enabling controller less NVO

Features	S5212F-ON	S5224F-ON	S5248F-ON	S5296F-ON	S5232F-ON
Ports	12xSFP28 3xQSFP28	24xSFP28 4xQSFP28	48xSFP28 2xQSFP28-DD 4xQSFP28	96xSFP28 8xQSFP28	32xQSFP28 2xSFP+
Max 10GbE density	24	40	80	128	126
Max 25GbE density	24	40	80	128	124
Max 40GbE density	3	4	8	8	32
Max 50GbE density	6	8	16	16	64
Max 100GbE density	3	4	8	8	32
Switching capacity	1.08 Tbps (2.16 Tbps full duplex)	1.08 Tbps (2.16 Tbps full duplex)	2.0 Tbps (4.0 Tbps full duplex)	3.2 Tbps (6.4 Tbps full duplex)	3.2 Tbps (6.4 Tbps full duplex)
Throughput	892 Mpps	954 Mpps	1.9 Bpps	1.5 Bpps	1.5 Bpps

Features	S5212F-ON	S5224F-ON	S5248F-ON	S5296F-ON	S5232F-ON	
Latency (nano sec)	906	881	847	850	877	
1588v2 PTP timing (hardware)		•	•	•	•	
CPU Memory	8GB	8GB	16GB	16GB	16GB	
SSD	16GB	32GB	64GB	64GB	64GB	
Packet Buffer	32MB	32MB	32MB 32MB		32MB	
Maximum power	304W	455W	647W	893W	635W	
Typical power	140W	200W	310W	457W	360W	
Maximum current	2.8A@110VAC / 1.4A@220VAC	4.2A@110VAC / 2.1A@220VAC	5.8A@110VAC / 2.9A@220VAC	8.2A@110VAC / 4.1A@220VAC	5.8A@110VAC / 2.9A@220VAC	
Fan modules	Fixed	4	4	4	4	
Form Factor	1RU (half-width)	1RU	1RU	2RU	1RU	
Dimensions	8.2"Wx19.3"D x1.6"H 20.9Wx49.0D x4.1H (cm)	17.1"Wx18.1"D x1.7"H 43.4Wx46.0D x4.4H (cm)	17.1"Wx18.1"D x1.7"H 43.4Wx46.0D x4.4H (cm)	17.4"Wx20.1"D x3.4"H 44.2Wx51.1D x8.7H (cm)	17.1"Wx18.1"D x1.7"H 43.4Wx46.0D x4.4H (cm)	
Weight	4.5kg (10.05lbs)	9.7kg (21.4lbs)	9.7kg (21.4lbs)	15.1kg (33.2lbs)	9.8kg (21.6lbs)	
Max thermal output	1037 BTU/h	1552 BTU/h	2208 BTU/h	3047 BTU/h	2167 BTU/h	

Product	Description
\$5200-ON	S5212F, 12x 25GbE SFP28 + 3x 100GbE QSFP28, 2x AC PSU, I/O Panel to PSU Airflow, Dell EMC SmartFabric OS10 S5212F, 12x 25GbE SFP28 + 3x 100GbE QSFP28, 2x AC PSU, PSU to I/O Panel Airflow, Dell EMC SmartFabric OS10 S5212F, 12x 25GbE SFP28 + 3x 100GbE QSFP28, 2x DC PSU, I/O Panel to PSU Airflow, Dell EMC SmartFabric OS10 S5212F, 12x 25GbE SFP28 + 3x 100GbE QSFP28, 2x DC PSU, PSU to I/O Panel Airflow, Dell EMC SmartFabric OS10 S5212F, 12x 25GbE SFP28 + 3x 100GbE QSFP28, 2x AC PSU, I/O Panel to PSU Airflow, NO-OS S5212F, 12x 25GbE SFP28 + 3x 100GbE QSFP28, 2x AC PSU, I/O Panel to PSU Airflow, NO-OS S5212F, 12x 25GbE SFP28 + 3x 100GbE QSFP28, 2x AC PSU, PSU to I/O Panel Airflow, NO-OS S5212F, 12x 25GbE SFP28 + 3x 100GbE QSFP28, 2x AC PSU, I/O Panel to PSU Airflow, Dell EMC SmartFabric OS10, TAA S5212F, 12x 25GbE SFP28 + 3x 100GbE QSFP28, 2x AC PSU, I/O Panel Airflow, Dell EMC SmartFabric OS10, TAA S5212F, 12x 25GbE SFP28 + 4x 100GbE QSFP28, 2x AC PSU, PSU to I/O Panel Airflow, Dell EMC SmartFabric OS10, TAA S5224F, 24x 25GbE SFP28 + 4x 100GbE QSFP28, 2x AC PSU, Fan modules, I/O Panel to PSU Airflow, Dell EMC SmartFabric OS10 S5224F, 24x 25GbE SFP28 + 4x 100GbE QSFP28, 2x AC PSU, Fan modules, PSU to I/O Panel Airflow, NO-OS S5224F, 24x 25GbE SFP28 + 4x 100GbE QSFP28, 2x AC PSU, Fan modules, PSU to I/O Panel Airflow, NO-OS S5224F, 24x 25GbE SFP28 + 4x 100GbE QSFP28, 2x AC PSU, Fan modules, PSU to I/O Panel Airflow, Dell EMC SmartFabric OS10, TAA S5224F, 24x 25GbE SFP28 + 4x 100GbE QSFP28, 2x AC PSU, Fan modules, PSU to I/O Panel Airflow, Dell EMC SmartFabric OS10, TAA S5224F, 24x 25GbE SFP28 + 2x 200GbE QSFP28, DD + 4x 100GbE QSFP28, 2x AC PSU, Fan modules, PSU to I/O Panel Airflow, Dell EMC SmartFabric OS10, TAA S5248F, 48x 25GbE SFP28 + 2x 200GbE QSFP28-DD + 4x 100GbE QSFP28, 2x AC PSU, Fan modules, PSU to I/O Panel Airflow, Dell EMC SmartFabric OS10, TAA S5248F, 48x 25GbE SFP28 + 2x 200GbE QSFP28-DD + 4x 100GbE QSFP28, 2x AC PSU, Fan modules, PSU to I/O Panel Airflow, Dell EMC SmartFabric OS10, TAA S5248F, 48x 25Gb

Product	Description
\$5200 ON	S5296F, 96x 25GbE SFP28 + 8x 100GbE QSFP28, 2x AC PSU, Fan modules, I/O Panel to PSU Airflow, Dell EMC SmartFabric OS10 S5296F, 96x 25GbE SFP28 + 8x 100GbE QSFP28, 2x AC PSU, Fan modules, PSU to I/O Panel Airflow, Dell EMC SmartFabric OS10 S5296F, 96x 25GbE SFP28 + 8x 100GbE QSFP28, 2x AC PSU, Fan modules, I/O Panel to PSU Airflow, NO-OS S5296F, 96x 25GbE SFP28 + 8x 100GbE QSFP28, 2x AC PSU, Fan modules, PSU to I/O Panel Airflow, NO-OS S5296F, 96x 25GbE SFP28 + 8x 100GbE QSFP28, 2x AC PSU, Fan modules, I/O Panel to PSU Airflow, Dell EMC SmartFabric OS10, TAA S5296F, 96x 25GbE SFP28 + 8x 100GbE QSFP28, 2x AC PSU, Fan modules, PSU to I/O Panel Airflow, Dell EMC SmartFabric OS10, TAA
\$5200-ON	S5232F, 32x 100 GbE QSFB28 + 2x 10GbE SFP+, 2x AC PSU, Fan modules, I/O Panel to PSU Airflow, Dell EMC SmartFabric OS10 S5232F, 32x 100 GbE QSFB28 + 2x 10GbE SFP+, 2x AC PSU, Fan modules, PSU to I/O Panel Airflow, Dell EMC SmartFabric OS10 S5232F, 32x 100 GbE QSFB28 + 2x 10GbE SFP+, 2x AC PSU, Fan modules, I/O Panel to PSU Airflow, NO-OS S5232F, 32x 100 GbE QSFB28 + 2x 10GbE SFP+, 2x AC PSU, Fan modules, PSU to I/O Panel Airflow, NO-OS S5232F, 32x 100 GbE QSFB28 + 2x 10GbE SFP+, 2x AC PSU, Fan modules, I/O Panel to PSU Airflow, Dell EMC SmartFabric OS10, TAA S5232F, 32x 100 GbE QSFB28 + 2x 10GbE SFP+, 2x AC PSU, Fan modules, PSU to I/O Panel Airflow, Dell EMC SmartFabric OS10, TAA
Redundant power supplies	AC Power Supply, IO Panel to PSU Airflow AC Power Supply, PSU to IO Panel Airflow DC Power Supply, IO Panel to PSU Airflow (available as custom kit) DC Power Supply, PSU to IO Panel Airflow (available as custom kit)
Fans	Fan module, IO Panel to PSU Airflow Fan module, PSU to IO Panel Airflow
Optics	Transceiver, 2x100GbE, 2xSR4, QSFP28-DD Transceiver, 2x100GbE, 2xPSM4-IR, QSFP28-DD Transceiver, 2x100GbE, 2xCWDM4, QSFP28-DD Transceiver, 100GbE, SR4 QSFP28 Transceiver, 100GbE, PSM4 (500m) QSFP28 Transceiver, 100GbE, CWDM4 (2Km) QSFP28 Transceiver, 100GbE, LR4 QSFP28 Transceiver, 40GbE, SR4 optic QSFP+ Transceiver, 40GbE, BIDI optic QSFP+ (Duplex) Transceiver, 40GbE, SM4 optic QSFP+ (Duplex) Transceiver, 40GbE, LM4 optic QSFP+ (Duplex) Transceiver, 40GbE, LR4 optic QSFP+ Transceiver, 40GbE, LR4 optic QSFP+ Transceiver, 40GbE, LR4 optic QSFP+ Transceiver, 25GbE, SR, NOF SFP28 Transceiver, 25GbE, SR, NOF SFP28 Transceiver, 25GbE, LR, SFP28 Transceiver, 10GbE, SR SFP+, short reach Transceiver, 10GbE, ER SFP+, long reach Transceiver, 10GbE, ER SFP+, extended reach Transceiver, 10GbE, ZR SFP+ extra extended reach 10G, Transceiver, 10GBASE-T use with QSA in QSFP+ port, 30m reach on CAT6a/7 Transceiver, 1GbE, SX SFP Transceiver, 1GbE, ZX SFP Transceiver, 1GbE, ZX SFP Transceiver, 1GbE, Dokm, BiDi SFP Transceiver, 1GbE, 40km, BiDi SFP Transceiver, 1GbE, 80km, BiDi SFP Transceiver, 1GbE, 80km, BiDi SFP Transceiver, 1GbE, 1000BASE-T, Gen2, SFP
Cables	100GbE, 4x25GbE, QSFP28 to 4xSFP28, passive DAC 100GbE, QSFP28 to QSFP28, active optical 100GbE, QSFP28 to QSFP28, passive DAC 100GbE, 2x50GbE, 2xQSFP to 2xQSFP28, passive DAC, breakout 40GbE, QSFP+ to QSFP+, active optical 40GbE, QSFP+ to QSFP+, passive DAC 40GbE, MTP to 4xLC optical breakout 40GbE, QSFP+ to 4xSFP+, passive DAC
Cable management	Z9100 Cable Breakout Kit, MTP to LC (1RU 64-port LC over MMF) Z9100 Cable Breakout Kit, MTP to LC (1RU 64-port LC over SMF)

Technical specifications

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Physical	1350	TFTP	3579	Radius support for EAP
1 RJ45 console/management port with RS232	2474	Differentiated Services	3580	802.1X with RADIUS
signaling S5212F-ON: 12x25GbE SFP28 + 3x 100GbE	2698 3164	Two Rate Three Color Marker Syslog	3826 1492	AES Cipher in SNMP TACACS (Authentication, Accounting)
QSFP28	4254	SSHv2	1432	Control Plane, VTY & SNMP ACLs
S5224F-ON: 24x25GbE SFP28 + 4x 100GbE		IPv4 Protocols	IP Acces	ss Control Lists
QSFP28	791	IPv4	BGP	
S5248F-ON: 48x25GbE SFP28 + 4x 100GbE	792	ICMP	1997	Communities
QSFP28 + 2x100GbE QSFP28-DD	826	ARP	2385	MD5
S5296F-ON: 96x25GbE SFP28 + 8x 100GbE QSFP28	1027	Proxy ARP	2439	Route Flap Damping
S5232F-ON: 32x100GbE QSFP28 ports +	1035 1042	DNS (client) Ethernet Transmission	2796 2918	Route Reflection Route Refresh
2xSFP+ 10GbE	1191	Path MTU Discovery	3065	Confederations
Environmental	1305	NTPv4	4271	BGP-4
Power supply: 100-240 VAC 50/60 Hz	1519	CIDR	2545	BGP-4 Multiprotocol Extensions for
Max Operating specifications:	1588v2	PTP support	0050	IPv6 Inter-Domain Routing
AC Max. Operating specifications:	1812 1858	Routers, Static Routes IP Fragment Filtering	2858 4360	Multiprotocol Extensions Extended Communities
Operating temperature: 32° to 113°F (0° to 45°C)	2131	DHCPv4 (server and relay)	4893	4-byte ASN
Operating humidity: 5 to 90% (RH),	5798	VRRPv3	5396	4-byte ASN Representation
non-condensing	3021	31-bit Prefixes	5492	Capabilities Advertisement
Max. Non-operating specifications:	1812	Requirements for IPv4 Routers	draft-ietf-	-idr-add-paths-04.txt ADD PATH
Storage temperature: –40° to 158°F (–40° to 70°C)	1918	Address Allocation for Private Internets		stribution
Storage humidity: 5 to 90% (RH), non-	2474	Diffserv Field in IPv4 and Ipv6		Linux version 9
condensing		Headers	Linux Ke	
Fresh air Compliant to 45°C	2597	Assured Forwarding PHB Group	Network SNMPv1	Management and Monitoring
Redundancy	3195	Reliable Delivery for Syslog		6 Management support (Telnet, FTP,
Hot swappable redundant power	3246 VRF (BC	Expedited Forwarding PHB Group		S, RADIUS, SSH, NTP)
Hot swappable redundant fans (fixed power		IPv6 Protocols	Syslog	
supply and fans on S5212F-ON)	1981	Path MTU for IPv6	Port Mirr	
Performance Packet buffer memory: 32MB	2372	IPv6 Addressing	RPM/ER 3176 SF	
CPU memory: 16GB	2460	IPv6 Protocol Specification		Assist (Phone Home)
MSTP: 64 instances	2461	Neighbor Discovery		f APIs (Layer 2 features)
LAG load balancing: Based on layer 2, IPv4 or	2462 2711	Stateless Address AutoConfig IPv6 Router alert	XML Sch	
IPv6 headers	2463	ICMPv6		nmit (Scratchpad) ailure Detection
IEEE Compliance	2464	Ethernet Transmission	Object T	
802.1AB LLDP TIA-1057 LLDP-MED	2675	IPv6 Jumbograms		onal Forwarding Detection (BFD)
802.3ad Link Aggregation	3484 3493	Default Address Selection Basic Socket Interface	Automat	
802.1D Bridging, STP	4291	Addressing Architecture		Plane Services APIs
802.1p L2 Prioritization	3542	Advanced Sockets API		ilities and Scripting Tools mation (Multiline Alias)
802.1Q VLAN Tagging	3587	Global Unicast Address Format		ich Deployment (ZTD)
802.1Qbb PFC 802.1Qaz ETS	4291	IPv6 Addressing	Ansible,	Puppet, Chef, SaltStack
802.1X Network Access Control	2464	Transmission of IPv6 Packets over Ethernet Networks	8040 RE	STCONF APIs (L3)
802.3ac Frame Extensions for VLAN	2711	IPv6 Router Alert Option		of Service
Tagging	4007	IPv6 Scoped Address Architecture	Prefix Lis Route-M	
802.3x Flow Control Layer2 Protocols	4213	Transition Mechanisms for IPv6 Hosts		ар aping (Egress)
802.1D Compatible	and Rou 3315	ters DHCPv6 Server & Relay	Rate Pol	licing (Ingress)
802.1s MSTP	IPv6	Static Routes	Scheduli	ing Algorithms
802.1w RSTP	OSPF			Round Robin Weighted Round Robin
802.1t RPVST+ VLT (Virtual Link Trunking)	1745	OSPF/BGP interaction		Weighted Round Robin Deficit Round Robin
VRRP Active/Active	1765	OSPF Database overflow		Strict Priority
RSTP & RPVST+	2154	OSPF with DigitalSignatures OSPFv2		Weighted Random Early Detect
Port Mirroring on VLT ports	2328 5340	OSPF for IPv6 (OSPFv3)		
DCB, iSCSI, FIP Snooping Bridge RPM/ERPM over VLT	2370	Opaque LSA		nter bridging
VLT Minloss upgrade	3101	OSPF NSSA	802.1Qb	,
RFC Compliance	4552	OSPFv3 Authentication	802.1Qa	z Enhanced Transmission Selection (ETS)
768 UDP	Multicas		Explicit C	Congestion Notification
793 TCP	4541	IGMPv1/v2/v3 and MLDv1/v2		nter Bridging eXchange (DCBx)
854 Telnet	Consult	Snooping		oplication TLV (iSCSI, FCoE)
959 FTP 1321 MD5	Security 2865	RADIUS	RoCEv2 Software	e Defined Networking
1021 IVIDO	3162	Radius and IPv6		w 1.3 (Native)



MIBS

IP MIB

IP Forward MIB Host Resources MIB

IF MIB

LLDP EXT1/3 MIB

Entity MIB

LAG MIB Dell-Vendor MIB TCP MIB **UDP MIB** SNMPv2 MIB

ETHERLIKE-MIB SFLOW-MIB

Regulatory compliance

Safety

PFC-MIB

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

FDA Regulation 21 CFR 1040.10 and 1040.11

Australia/New Zealand: AS/NZS CISPR 22:

2006, Class A

Canada: ICES-003, Issue-4, Class A Europe: EN 55022: 2006+A1:2007 (CISPR 22: 2006), Class A

Japan: VCCI V3/2009 Class A

USA: FCC CFR 47 Part 15, Subpart B:2011, Class A

Immunity

EN 300 386 V1.4.1:2008 EMC for Network

Equipment

EN 55024: 1998 + A1: 2001 + A2: 2003

Harmonic Current FN 61000-3-2

Emissions

EN 61000-3-3: Voltage Fluctuations and

Flicker

EN 61000-4-2: **ESD**

EN 61000-4-3: Radiated Immunity

EN 61000-4-4: EN 61000-4-5: Surge

EN 61000-4-6: Low Frequency Conducted

Immunity

RoHS

All S Series components are EU RoHS compliant.

Certifications

Available with US Trade Agreements Act (TAA) compliance USGv6 Host and Router Certified on Dell Networking OS 9.5 and greater IPv6 Ready for both Host and Router UCR DoD APL (core and distribution ALSAN switch

Warranty

1 year return to depot



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