

## Highlights

### High Availability

Redundancy features, such as hot-swappable power supplies, redundant fan trays, and switch stacking maximise the availability of your network

### Lossless Ethernet

Data centre functionality available through Data Center Bridging (DCB) enhances network performance and reliability

### Easy Management

Industry-standard management tools allow the switch to be easily administered, integrating seamlessly with existing devices



## DXS-3400 Series

# Top-of-Rack 10 Gigabit Stackable Managed Switches

## Features

### High Availability and Flexibility

- Two AC/DC hot-swappable power modules for 1+1 redundancy and load sharing
- Three hot-swappable fan trays provide N+1 cooling redundancy
- Physical Stacking via four 10G ports, can stack up to 4 devices
- Ethernet Ring Protection Switching (ERPS)
- Switch Resource Management (SRM) for flexible management of system resources

### Lossless Ethernet via Data Center Bridging (DCB)

- IEEE 802.1Qbb Priority-based Flow Control (PFC)
- IEEE 802.1Qaz Enhanced Transmission Selection (ETS)
- IEEE 802.1Qau Congestion Notification (CN)

### Traffic Monitoring & Bandwidth Control

- Port mirroring/Bandwidth Control
- Broadcast/Multicast/Unicast storm control
- Single Rate Three Color Marker (srTCM)
- Two Rate Three Color Marker (trTCM)

### Easy Management

- RJ-45/Mini-USB Console Port
- Management and Alarm Ports
- USB Port for Firmware and Configuration Files
- Easy-to-use Web GUI
- Industry Standard CLI

D-Link's DXS-3400 Series Top-of-Rack 10 Gigabit Stackable Managed Switches consists of new compact, high-performance switches that feature wire speed 10-Gigabit Ethernet switching, routing, and ultra-low latency. The 1U height and high port density make the DXS-3400 Series suitable for enterprise and campus environments where space is at a premium. The DXS-3400 Series switches include 20 x 10GBASE-T or 20 x 10G SFP+ ports and 4 10GBASE-T/SFP+ combo ports, making them suitable for data centre, core, and distribution applications.

## High Availability and Flexibility

The DXS-3400 Series switches feature a modular fan and power supply design for a high availability architecture. The hot-swappable design means that fans and power supplies can be replaced without affecting switch operation. Physical and virtual switch stacking allow the switches to be managed from a single IP address and provide redundancy for connected devices. The Switch Resource Management (SRM) feature allows the hardware table size to be changed, so that switch functions can be optimised based on the use of the switch. The DXS-3400 Series switches come with 3 modes; IP Mode, LAN Mode and L2 VPN Mode, which modify the size of the Layer 2 and 3 tables for optimum efficiency.

## Feature Rich Software

The DXS-3400 Series switches include feature rich software which satisfies the needs of Small Medium Business, Small Medium Enterprise, and campus users. It supports a wide range of Layer 2 and 3 functions such as VLANs, inter-VLAN routing, multicasting, Quality of Service (QoS), Virtual Router Redundancy Protocol (VRRP), Routing Information Protocol (RIP) v1/2, Next Generation RIP (RIPng), Policy-Based Routing (PBR), and security features. The DXS-3400 Series also includes an easy-to-use web interface and an industry standard CLI for improved management.

## Lossless Ethernet

Data Center Bridging (DCB) is an essential set of enhancements to Ethernet for networking in data centre environments. The DXS-3400 Series switches support several core components of Data Center Bridging (DCB) such as IEEE 802.1Qbb, IEEE 802.1Qaz, and IEEE 802.1Qau. IEEE 802.1Qbb (Priority-based Flow Control) provides flow control on specific priority to ensure there is no data loss during network congestion. IEEE 802.1Qaz (Enhanced Transmission Selection) manages the allocation of bandwidth amongst different traffic classes. IEEE 802.1Qau (Congestion Notification) provides congestion management for data flows within network domains to avoid congestion.

## Energy Efficient

The DXS-3400 Series switches feature front-to-back airflow which facilitates the building of energy-efficient data centres. The front-to-back airflow optimises air circulation inside the rack, allowing hot and cold isles in data centres, increasing energy efficiency in comparison to a mix of front-to-back and side-to-side airflow. The switches also feature in-built smart fans; internal heat sensors monitor and detect temperature changes, and react accordingly by utilising different fan speeds for different temperatures. At lower temperatures, the fans will run more slowly, reducing the switch's power consumption and noise.



If the worst should happen to your network you need the very best support and fast. Downtime costs your business money. D-Link Assist maximises your uptime by solving technical problems quickly and effectively. Our highly trained technicians are on standby around the clock, ensuring that award-winning support is only a phone call away.

With a choice of three affordable service offerings covering all D-Link business products, you can select the package that suits you best:

### **D-Link Assist Gold - for comprehensive 24-hour support**

D-Link Assist Gold is perfect for mission-critical environments where maximum uptime is a high priority. It guarantees four hour around-the-clock response. Cover applies 24/7 for every day of the year including holidays.

### **D-Link Assist Silver - for prompt same-day assistance**

D-Link Assist Silver is designed for 'high availability' businesses that require rapid response within regular working hours. It provides a four hour response service Monday to Friday from 8am to 5pm, excluding holidays.

### **D-Link Assist Bronze - for guaranteed response on the next business day**

D-Link Assist Bronze is a highly cost-effective support solution for less critical environments. Response is guaranteed within eight business hours Monday to Friday from 8am to 5pm, excluding holidays.

D-Link Assist can be purchased together with any D-Link business product. So whether you're buying switching, wireless, storage, security or IP Surveillance equipment from D-Link, your peace of mind is guaranteed. D-Link Assist also offers installation and configuration services to get your new hardware working quickly and correctly.

**Top-of-Rack 10 Gigabit Stackable Managed Switches**

Technical Specifications		
General	DXS-3400-24TC	DXS-3400-24SC
Interfaces	• 20-port 10GBASE-T and 4-port 10GBASE-T/SFP+ Combo Port	• 20-port 10G SFP+ and 4-port 10GBASE-T/SFP+ Combo Port
Console Port	• RJ45 and Mini USB console ports for out-of-band CLI management	
Management Port	• 10/100/1000BASE-T RJ-45 Ethernet for out-of-band IP management	
USB Port	• 1 port	
Performance		
Switching Capacity	• 480 Gbps	
Max. Forwarding Rate	• 357.12 Mpps	
Packet Buffer Memory	• 4 MB	
MAC Address Table	• Up to 48K entries	
Physical		
Power Input	• 100 to 240 V, 50/60 Hz, 2 A	
Maximum Power Consumption	• 159.8 W	• 118.6 W
Standby Power Consumption	• 85.1 W	• 64.8 W
Heat Dissipation (Max.)	• 557.94 BTU/hr	• 388.39 BTU/hr
Dimensions (W x D x H)	• 441 x 44 x 380 mm (17.32 x 1.73 x 14.96 inches)	
Weight	<ul style="list-style-type: none"> <li>• 7.6 kg (2 PSUs, 3 fan modules)</li> <li>• 6.65 kg (1 PSU, 3 fan modules)</li> <li>• 5.25 kg (no PSU or fan modules)</li> </ul>	<ul style="list-style-type: none"> <li>• 7.45 kg (2 PSUs, 3 fan modules)</li> <li>• 6.5 kg (1 PSU, 3 fan modules)</li> <li>• 5.1 kg (no PSU or fan modules)</li> </ul>
Operating Temperature	• -5 to 50 °C (32 to 113 °F)	
Storage Temperature	• -40 to 70 °C (-40 to 158 °F)	
Operating Humidity	• 0% to 95% RH	
Storage Humidity	• 0% to 95% RH	
Certifications		
Safety	• cUL, CB, CE, CCC, BSMI	
EMI/EMC	• CE, FCC, C-Tick, VCCI, BSMI, CCC	

**Top-of-Rack 10 Gigabit Stackable Managed Switches**

Software Features		
Stackability	<ul style="list-style-type: none"> <li>Physical Stacking               <ul style="list-style-type: none"> <li>Up to 80G stacking bandwidth</li> <li>Up to 4 switches in a stack</li> <li>Ring/chain topology support</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Virtual Stacking/Clustering of up to 32 units               <ul style="list-style-type: none"> <li>Supports D-Link Single IP Management</li> </ul> </li> </ul>
L2 Features	<ul style="list-style-type: none"> <li>MAC Address Table               <ul style="list-style-type: none"> <li>Up to 48K entries</li> </ul> </li> <li>Flow Control               <ul style="list-style-type: none"> <li>802.3x Flow Control when using Full Duplex</li> <li>Back Pressure when using Half Duplex</li> <li>HOL Blocking Prevention</li> </ul> </li> <li>Spanning Tree Protocol               <ul style="list-style-type: none"> <li>802.1D STP</li> <li>802.1w RSTP</li> <li>802.1s MSTP</li> <li>Root Guard</li> <li>Loop Guard</li> </ul> </li> <li>Jumbo Frame               <ul style="list-style-type: none"> <li>Up to 12KB</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>802.1AX Link Aggregation               <ul style="list-style-type: none"> <li>Max. 32 groups per device, 8 ports per group</li> </ul> </li> <li>ERPS (Ethernet Ring Protection Switching)</li> <li>Port Mirroring               <ul style="list-style-type: none"> <li>Supports One-to-One, Many-to-One</li> <li>Supports Mirroring for Tx/Rx/Both</li> <li>Supports 4 mirroring groups</li> </ul> </li> <li>Flow Mirroring               <ul style="list-style-type: none"> <li>Supports Mirroring for Rx</li> </ul> </li> <li>VLAN Mirroring</li> <li>L2 Protocol Tunneling</li> <li>Loopback Detection (LBD)</li> <li>iSCSI Awareness</li> </ul>
L2 Multicast Features	<ul style="list-style-type: none"> <li>MLD Snooping               <ul style="list-style-type: none"> <li>MLD v1/v2 Snooping</li> <li>Supports 256 groups</li> <li>Host-based MLD Snooping Fast Leave</li> <li>Supports 64 static MLD groups</li> <li>MLD Snooping Querier</li> <li>Per VLAN MLD Snooping</li> <li>MLD Proxy Reporting</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>IGMP Snooping               <ul style="list-style-type: none"> <li>IGMP v1/v2/v3 Snooping</li> <li>Supports 512 IGMP groups</li> <li>Supports 64 static IGMP groups</li> <li>Per VLAN IGMP Snooping</li> <li>IGMP Snooping Querier</li> <li>Host-based IGMP Snooping Fast Leave</li> </ul> </li> <li>PIM Snooping</li> </ul>
L3 Features	<ul style="list-style-type: none"> <li>ARP               <ul style="list-style-type: none"> <li>512 Static ARP</li> <li>Supports Gratuitous ARP</li> <li>ARP Proxy</li> </ul> </li> <li>IP Interface               <ul style="list-style-type: none"> <li>Supports 256 interfaces</li> </ul> </li> <li>Loopback Interface</li> <li>IPv6 Neighbor Discovery (ND)</li> </ul>	<ul style="list-style-type: none"> <li>UDP Helper</li> <li>IPv6 Tunneling               <ul style="list-style-type: none"> <li>Static</li> <li>ISATAP</li> <li>GRE</li> <li>6to4</li> </ul> </li> <li>IGMP Proxy Reporting</li> <li>VRRP v2/v3</li> </ul>
L3 Routing	<ul style="list-style-type: none"> <li>Static Routing               <ul style="list-style-type: none"> <li>Max. 256 IPv4 entries</li> <li>Max. 128 IPv6 entries</li> <li>Supports route redistribution</li> <li>Supports secondary route</li> </ul> </li> <li>Supports 4096 hardware routing entries shared by IPv4/IPv6               <ul style="list-style-type: none"> <li>Max. 4096 IPv4 entries</li> <li>Max. 1024 IPv6 entries</li> </ul> </li> <li>Supports 32K hardware L3 forwarding entries shared by IPv4/IPv6               <ul style="list-style-type: none"> <li>Max. 32K IPv4 entries</li> <li>Max. 16K IPv6 entries</li> </ul> </li> <li>Default Routing</li> </ul>	<ul style="list-style-type: none"> <li>Policy-based Route (PBR)</li> <li>Null Route</li> <li>Bidirectional Forwarding Detection (BFD)</li> <li>RIP               <ul style="list-style-type: none"> <li>RIP v1/v2</li> <li>RIPng<sup>1</sup></li> </ul> </li> <li>Route Redistribution               <ul style="list-style-type: none"> <li>Default Route</li> <li>Static Route</li> <li>RIP</li> <li>RIPng</li> <li>Null Route</li> </ul> </li> </ul>
VLAN	<ul style="list-style-type: none"> <li>802.1Q</li> <li>802.1v</li> <li>Double VLAN (Q-in-Q)               <ul style="list-style-type: none"> <li>Port-based Q-in-Q</li> </ul> </li> <li>Selective Q-in-Q</li> <li>Port-based VLAN</li> <li>MAC-based VLAN</li> <li>Subnet-based VLAN</li> <li>Private VLAN</li> </ul>	<ul style="list-style-type: none"> <li>VLAN Group               <ul style="list-style-type: none"> <li>Max. 4K static VLAN groups</li> <li>Max. 4094 VIDs</li> </ul> </li> <li>ISM VLAN (Multicast VLAN)</li> <li>Voice VLAN</li> <li>Auto Surveillance VLAN</li> <li>VLAN Trunking</li> <li>GVRP               <ul style="list-style-type: none"> <li>Up to 4094 dynamic VLANs</li> </ul> </li> </ul>

**Top-of-Rack 10 Gigabit Stackable Managed Switches**

<p>AAA</p>	<ul style="list-style-type: none"> <li>• 802.1X Authentication               <ul style="list-style-type: none"> <li>• Supports Port-based access control</li> <li>• Supports Host-based access control</li> </ul> </li> <li>• Identity-driven Policy Assignment               <ul style="list-style-type: none"> <li>• Dynamic VLAN Assignment</li> <li>• QoS Assignment</li> <li>• ACL Assignment</li> </ul> </li> <li>• Web-based Access Control (WAC)               <ul style="list-style-type: none"> <li>• Identity-driven Policy Assignment                   <ul style="list-style-type: none"> <li>• Dynamic VLAN Assignment</li> <li>• QoS Assignment</li> <li>• ACL Assignment</li> </ul> </li> </ul> </li> <li>• Supports Port-based access control</li> <li>• Supports Host-based access control</li> </ul>	<ul style="list-style-type: none"> <li>• MAC-based Access Control (MAC)               <ul style="list-style-type: none"> <li>• Identity-driven Policy Assignment                   <ul style="list-style-type: none"> <li>• Dynamic VLAN Assignment</li> <li>• QoS Assignment</li> <li>• ACL Assignment</li> </ul> </li> </ul> </li> <li>• Supports Port-based access control</li> <li>• Supports Host-based access control</li> <li>• Compound Authentication</li> <li>• Microsoft NAP               <ul style="list-style-type: none"> <li>• Support 802.1X NAP</li> <li>• Support DHCP NAP</li> </ul> </li> <li>• RAIDUS and TACACS+ Authentication</li> <li>• Authentication Database Failover</li> <li>• Guest VLAN</li> </ul>
<p>Quality of Service (QoS)</p>	<ul style="list-style-type: none"> <li>• 802.1p Quality of Service</li> <li>• 8 queues per port</li> <li>• QoS based on               <ul style="list-style-type: none"> <li>• 802.1p Priority Queues</li> <li>• DSCP</li> <li>• IP address</li> <li>• MAC address</li> <li>• VLAN</li> <li>• IPv6 Traffic Class</li> <li>• IPv6 Flow Label</li> <li>• TCP/UDP port</li> <li>• Switch Port</li> <li>• Ether Type</li> <li>• ToS/IP Preference</li> <li>• Protocol Type</li> </ul> </li> <li>• Congestion Control               <ul style="list-style-type: none"> <li>• WRED</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Queue Handling               <ul style="list-style-type: none"> <li>• Strict</li> <li>• Weighted Round Robin (WRR)</li> <li>• Strict + WRR</li> <li>• Deficit Round Robin (DRR)</li> <li>• Weighted Deficit Round Robin (WDRR)</li> </ul> </li> <li>• Bandwidth Control               <ul style="list-style-type: none"> <li>• Port-based (Ingress/Egress, min. granularity 64 Kb/s)</li> <li>• Flow-based (Ingress/Egress, min. granularity 64 Kb/s)</li> <li>• Per queue bandwidth control (min. granularity 64 Kb/s)</li> </ul> </li> <li>• Support for following actions:               <ul style="list-style-type: none"> <li>• Remark 802.1p priority tag</li> <li>• Remark ToS/DSCP tag</li> <li>• Committed Information Rate (CIR)</li> </ul> </li> <li>• Three Color Marker               <ul style="list-style-type: none"> <li>• trTCM</li> <li>• srTCM</li> </ul> </li> </ul>
<p>Data Center Bridging (DCB)</p>	<ul style="list-style-type: none"> <li>• 802.1Qbb Priority-based Flow Control (PFC)</li> <li>• 802.1Qaz Enhanced Transmission Selection (ETS)</li> </ul>	<ul style="list-style-type: none"> <li>• 802.1Qau Congestion Notification (CN)</li> </ul>
<p>Access Control List (ACL)</p>	<ul style="list-style-type: none"> <li>• ACL based on:               <ul style="list-style-type: none"> <li>• 802.1p priority</li> <li>• VLAN</li> <li>• MAC address</li> <li>• EtherType</li> <li>• IP address</li> <li>• DSCP</li> <li>• Protocol type</li> <li>• TCP/UDP port number</li> <li>• IPv6 Traffic Class</li> <li>• IPv6 Flow Label</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Max. ACL entries:               <ul style="list-style-type: none"> <li>• Ingress                   <ul style="list-style-type: none"> <li>• IPv4: 1792</li> <li>• IPv6: 448</li> </ul> </li> <li>• Egress                   <ul style="list-style-type: none"> <li>• IPv4: 512</li> <li>• IPv6: 256</li> </ul> </li> <li>• 3K VLAN access map</li> </ul> </li> <li>• Time-based ACL</li> </ul>
<p>Security</p>	<ul style="list-style-type: none"> <li>• Port Security               <ul style="list-style-type: none"> <li>• Supports up to 12K MAC addresses per port/system</li> </ul> </li> <li>• Broadcast/Multicast/Unicast Storm Control</li> <li>• D-Link Safeguard Engine</li> <li>• DHCP Server Screening</li> <li>• IP-MAC-Port Binding</li> <li>• Dynamic ARP Inspection</li> <li>• IP Source Guard</li> <li>• DHCP Snooping</li> <li>• IPv6 Snooping</li> <li>• DHCPv6 Guard</li> <li>• IPv6 Route Advertisement (RA) Guard</li> <li>• IPv6 ND Inspection</li> </ul>	<ul style="list-style-type: none"> <li>• ARP Spoofing Prevention               <ul style="list-style-type: none"> <li>• Max. 64 entries</li> </ul> </li> <li>• Duplicate Address Detection (DAD)</li> <li>• L3 Control Packet Filtering</li> <li>• Traffic Segmentation</li> <li>• SSL               <ul style="list-style-type: none"> <li>• Supports v1/v2/v3</li> <li>• Supports IPv4/v6 access</li> </ul> </li> <li>• SSH               <ul style="list-style-type: none"> <li>• Supports SSH v2</li> <li>• Supports IPv4/v6 access</li> </ul> </li> <li>• BPDU Attack Protection</li> <li>• DOS Attack Prevention</li> </ul>
<p>Operations, Administration and Maintenance (OAM)</p>	<ul style="list-style-type: none"> <li>• Cable Diagnostics</li> <li>• 802.3ah Ethernet Link OAM</li> <li>• D-Link Unidirectional Link Detection (DULD)</li> <li>• Dying Gasp</li> </ul>	<ul style="list-style-type: none"> <li>• 802.1ag Connectivity Fault Management (CFM)</li> <li>• Y.1731 OAM</li> <li>• Optical Transceiver Digital Diagnostic Monitoring (DDM)</li> </ul>

**Top-of-Rack 10 Gigabit Stackable Managed Switches**

Management	<ul style="list-style-type: none"> <li>• Web-based GUI</li> <li>• CLI</li> <li>• Telnet Server</li> <li>• Telnet Client</li> <li>• TFTP Client</li> <li>• FTP Client</li> <li>• Secure FTP (SFTP) Server</li> <li>• Traffic Monitoring</li> <li>• SNMP               <ul style="list-style-type: none"> <li>• Supports v1/v2c/v3</li> </ul> </li> <li>• SNMP Trap</li> <li>• System Log</li> <li>• DHCP Client</li> <li>• DHCP Server</li> <li>• DHCP Relay options 60, 61, 82</li> <li>• Multiple Images</li> <li>• Multiple Configurations</li> <li>• Flash File System</li> <li>• DNS Client</li> </ul>	<ul style="list-style-type: none"> <li>• CPU Monitoring</li> <li>• MTU Setting</li> <li>• ICMP Tools               <ul style="list-style-type: none"> <li>• Ping</li> <li>• Traceroute</li> </ul> </li> <li>• LLDP &amp; LLDP-MED</li> <li>• DNS Relay</li> <li>• SMTP</li> <li>• DHCP Auto Configuration</li> <li>• NTP</li> <li>• RCP (Remote Copy Protocol)</li> <li>• RMONv1</li> <li>• RMONv2</li> <li>• Trusted Host</li> <li>• Password Encryption</li> <li>• Debug Command</li> <li>• sFlow</li> <li>• Switch Resource Management (SRM)</li> <li>• Microsoft Network Load Balancing (NLB)<sup>2</sup></li> </ul>
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**Standards**

MIB & RFC Standards	<ul style="list-style-type: none"> <li>• MIB Structure: RFC1065, RFC1066, RFC1155, RFC1156, RFC2578</li> <li>• Concise MIB Definitions: RFC1212</li> <li>• MIBII: RFC1213</li> <li>• MIB Traps Convention: RFC1215</li> <li>• Bridge MIB: RFC1493, RFC4188</li> <li>• SNMP MIB: RFC1157, RFC2571, RFC2572, RFC2573, RFC2574, RFC2575, RFC2576</li> <li>• SNMPv2 MIB: RFC1442, RFC1901, RFC1902, RFC1903, RFC1904, RFC1905, RFC1906, RFC1907, RFC1908, RFC2578, RFC3418, RFC3636</li> <li>• RMON MIB: RFC271, RFC1757, RFC2819</li> <li>• RMONv2 MIB: RFC2021</li> <li>• Ether-like MIB: RFC1398, RFC1643, RFC1650, RFC2358, RFC2665, RFC3635</li> <li>• 802.3 MAU MIB: RFC2668</li> <li>• 802.1p MIB: RFC2674, RFC4363</li> <li>• Interface Group MIB: RFC2863</li> <li>• RADIUS Authentication Client MIB: RFC2618</li> <li>• MIB for TCP: RFC4022</li> <li>• MIB for UDP: RFC4113</li> <li>• MIB for Diffserv.: RFC3298</li> <li>• RADIUS Accounting Client MIB: RFC2620</li> <li>• Ping &amp; TRACEROUTE MIB: RFC2925</li> <li>• Running configuration writes and backup (D-Link MIB)</li> <li>• TFTP uploads and downloads (D-Link MIB)</li> <li>• Trap MIB (D-Link MIB)</li> <li>• IPv6 MIB: RFC2465</li> <li>• ICMPv6 MIB: RFC2466</li> <li>• Entity MIB: RFC2737</li> <li>• VRRP MIB: RFC2787</li> <li>• RIPv2 MIB: RFC1724</li> <li>• OSPF MIB: RFC1850</li> <li>• IPv4 Multicast Routing MIB: RFC5132, RFC2932</li> <li>• PIM MIB for IPv4: RFC2934</li> <li>• IP Forwarding Table MIB: RFC4292</li> <li>• IPv6 SNMP Mgmt Interface MIB: RFC4293</li> <li>• DDM MIB (D-Link MIB)</li> </ul>	<ul style="list-style-type: none"> <li>• Private MIB (D-Link MIB)</li> <li>• DIFFSERV MIB (D-Link MIB)</li> <li>• MIB for D-Link Zone Defense (D-Link MIB)</li> <li>• IP: RFC791</li> <li>• UDP: RFC768</li> <li>• TCP: RFC793</li> <li>• ICMPv4: RFC792</li> <li>• ICMPv6: RFC2463, RFC4443</li> <li>• Extended ICMP to Support Multi-Part Messages: RFC4884</li> <li>• ARP: RFC826</li> <li>• CIDR: RFC1338, RFC1519</li> <li>• Definition of the DS Field in the IPv4 and IPv6 Headers: RFC2474, RFC3168, RFC3260</li> <li>• Extensible Authentication Protocol (EAP): RFC1321, RFC2284, RFC2865, RFC2716, RFC1759, RFC3580, RFC3748</li> <li>• SNMP Framework: RFC2571</li> <li>• SNMP Message Processing and Dispatching: RFC2572</li> <li>• SNMP Applications: RFC2573</li> <li>• User-based Security Model for SNMPv3: RFC2574</li> <li>• Expedited Forwarding PHB (Per-Hop Behavior): RFC3246</li> <li>• Supplemental Information for the New Definition of the EF PHB (Expedited Forwarding Per-Hop Behavior): RFC3247</li> <li>• DNS extension support for IPv6: RFC1886</li> <li>• Path MTU Discovery for IPv6: RFC1981</li> <li>• IPv6: RFC2460</li> <li>• Neighbor Discovery for IPv6: RFC2461, RFC4861</li> <li>• IPv6 Stateless Address Auto-configuration: RFC2462, RFC4862</li> <li>• IPv6 over Ethernet and definition: RFC2464</li> <li>• Dual Stack Hosts using the "Bump-In-the-Stack" Technology: RFC2767</li> <li>• IPv6 Addressing Architecture: RFC3513, RFC4291</li> <li>• IPv4/IPv6 dual stack function: RFC2893, RFC4213</li> <li>• Default Address Selection for Internet Protocol version 6: RFC3484</li> <li>• IP-IP tunnel: IP Encapsulation within IP: RFC2003</li> <li>• IP-IP tunnel: Allow MTU = 1500 or 1520: RFC1191</li> <li>• L2 distributed tunnel - CAPWAP Encapsulation: RFC5415</li> </ul>
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# DXS-3400 Series

## Top-of-Rack 10 Gigabit Stackable Managed Switches

Optional Accessories	
DXS-PWR300AC	• 300 W AC modular power supply with front-to-back airflow
Optional Management Software	
DV-700-N25-LIC	• D-View 7 - 25 Node License
DV-700-N250-LIC	• D-View 7 - 250 Node License
DV-700-P10-LIC	• D-View 7 - 10 Probe License
Optional 100/1000 Mbps SFP Transceivers	
DEM-310GT	• 1000BASE-LX Single-Mode, 10 km
DEM-311GT	• 1000BASE-SX Multi-mode, 550 m
DEM-312GT2	• 1000BASE-SX Multi-mode, 2 km
Optional 10G SFP+ Transceivers	
DEM-431XT	• 10GBASE-SR Multi-Mode, OM1:33M/OM2:82M/OM3:300M (w/o DDM)
DEM-432XT	• 10GBASE-LR Single-Mode, 10 km (w/o DDM)
Optional 10G Ethernet Adapter	
DXE-820T	• Dual Port 10GBASE-T RJ-45 PCI Express Adapter
Optional 10G SFP+ Direct Attach Cables	
DEM-CB100S	• 10G SFP+ to SFP+ 1 m Direct Attach Cable
DEM-CB300S	• 10G SFP+ to SFP+ 3 m Direct Attach Cable

<sup>1</sup>The passive interface feature will be released in software version R2

<sup>2</sup>This will be released in software version R2



For more information: [www.dlink.com](http://www.dlink.com)

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