# **D-Link**

#### xStack Integration

- Virtual Stacking of up to 32 units
- Embedded D-Link SIM for integration of all the xStack switches
- 1 Physical Stacking of up to 8 units

#### VLAN

- 4K VLAN support
- Selective Q-in-Q and VLAN Translation
- MAC-based VLAN
- 802.1v protocol-based VLAN

#### Security

- L2/L3/L4 Multi-Layer Access Control
- External RADIUS/TACACS+ Authentication
- SSH/SSL
- Guest VLAN
- Web-based Access Control (WAC)
- MAC-based Access Control (MAC)
- IP-MAC-Port Binding (IMPB)
- D-Link Safeguard Engine
- Supports Microsoft NAP

#### VoIP Deployment

- Auto Voice VLAN
- Highest priority
- DSCP QoS for VoIP application

#### Quality of Service

- 802.1p Priority Queues/Multi-Layer CoS
- IP Multicast support for bandwidthintensive application

## Traffic Monitoring & Bandwidth Control

- Port Mirroring
- Traffic Segmentation
- Bandwidth Control down to 64bps
- Broadcast Storm Control
- Committed Information Rate
- RMON v1/v2 support

#### Management

- Web-based GUI
- Command Line Interface (CLI)
- Telnet Server
- SNMP v1, v2c, v3
- D-Link Single IP Management (SIM)
- D-View 6.0 Network Management System

## L2+ Ethernet Stack

The DES-3528/3552 xStack series are enhanced L2+ access stackable switches designed to connect end-users in a secure SMB (small and medium size business) or enterprise network. These switches provide physical stacking, multicast and enhanced security, making it an ideal access layer solution. The DES-3528/3552 xStack Series can seamlessly integrate with L3 core switches to form a multilevel network structure consisting of a high-speed backbone and centralized servers.

#### Flexible & Cost-Effective Ethernet Stack

The DES-3528/3552 series provide the option of 24 or 48 10/100Mbps Ethernet ports and up to four Gigabit uplinks per switch. Users requiring connections to devices such as IP phones, network cameras and wireless APs can deploy the DES-3528P, which provides 24 10/100Mbps PoE ports. Eight of these PoE ports provide up to 30watts per port, while the remaining adhere to the 802.3af standard (15.4watt output per port), giving administrators the ability to connect to the 802.3af standard devices as well as the 802.3at pre-standard equipment such as the 802.11n AP. The two combo 10/100/100BASE-T SFP slots on the front panel provide flexible copper or fiber Gigabit connection. The two 10/100/1000BASE-T ports on the back panel are designed for flexible dual usage. They can be used either as stacking ports with 4Gbps bidirectional stacking bandwidth, or can simply be used as copper Gigabit uplinks. Physical stacking capability allows administrators to add up to eight switch units per stack on a scalable expansion basis. This series offers an attractive stackable switch alternative to the expensive chassis-based solution.

#### **Comprehensive Security**

The DES-3528/3552 series provide users with the latest security features such as 802.1X Guest VLAN, MAC-based Access Control (MAC) and Web-based Access Control (WAC). 802.1X Guest VLAN is a comprehensive end-point security solution for user authentication/authorization and WAC guarantees granular network access control with a user-friendly authentication mechanism. The IP-MAC-Port Binding feature allows administrators to bind a source IP address with an associated MAC and also define the port number to enhance user access control. With the DHCP Snooping feature, the switch automatically learns IP/MAC pairs by snooping DHCP packets and saving them to the IMPB white list. This keeps the network secure and auditable. The D-Link Safeguard Engine identifies and prioritizes "CPU interested" packets to prevent malicious traffic from interrupting normal network flows and protects switch operation.

Enhanced Network Performance & Availability The DES-3528/3552 series targets SMB/enterprise customers who require a high level of network security and maximum uptime. It offers 4K VLAN, advanced selective Q-in-Q, as well as delivering progressive QoS capability for mission-critical applications and multicast services. The switches offer superior performance and availability through the latest Spanning Tree protocol, optional redundant power, and Loopback Detection (D-Link's advanced technology for preventing loops without the presence of STP).

#### **User-friendly & Ecosystem-friendly**

The DES-3528/3552 series uses D-Link's Web GUI 2.0, an easy-to-use web interface, and configuration wizards to minimize administrators' learning curve and make deployments easier to plan and implement. Utilizing the latest generation of chipsets, the DES-3528/3552 series optimizes power consumption to reduce energy costs and contribute to a greener environment. In addition, the fanless design of the DES-3528 and DES-3528DC ensures quiet operation, ideal for deployment in open spaces. The DES-3528P and DES-3552 are equipped with a Smart Fan feature. This feature allows for the built-in fans to automatically turn on at a certain temperature, providing continuous, reliable and eco-friendly operation of the switches.



## SWITCH

# **D-Link**<sup>®</sup>

### DES-3528, DES-3552

Bise         Is line         Is line/Standard Re-K Mount Viden, U Haght Viden, U Hag	Technical Specifications		DES-3528	DES-3528DC	DES-3528P	DES-3552	
Hardware         Within UF Height							
Intraface         21 MONDAGE TX 22 MONDAGE TX 22 MONDAGE TX 22 MONDAGE TY 22 MONDAGE TY 52 MOND	Physical & Hardware	Size				19-inch Standard Rack-Mount Width,1U Height	
PeE Support*         Image: support*         Per 10/1088ASE-TX Port         Image: support*           Auto-MQUMDX R4, 4         N	naluwale	Interface	2 10/100/1000BASE-T	2 10/100/1000BASE-T	2 10/100/1000BASE-T	2 10/100/1000BASE-T	
Auto-Negotiation of Network Speeds (RJ-45 Portal         Auto-MDI/MDIX (RJ-45		Console Port	RS-232 Console Port				
Network Species (R1-45 Ports)         √         √         √         √         √           Auto-MDI/MDX (R1-45 Ports)         ↓		PoE Support*	-	-	Per 10/100BASE-TX Port	-	
Ports         N         N         N         N         N         N         N           Gigabit & 100BASE-FX Fiber Support On SFP         N<		Network Speeds (RJ-45	V	V	V	$\checkmark$	
Fiber Support 0n SFP     N     N     N       Fiber Support 0n SFP     128 Gbps     128 Gbps     128 Gbps     128 Gbps     173 Gbps       G4-Byte Packet Forwarding Rate     95 Mpps     95 Mpps     95 Mpps     95 Mpps     131 Mpps       MCA Adress Table Size     16K     16K     16K     16K       MCS Adress Table Size     16K     16K     16K     16K       Diagnostic     Console (Per Davice)     √     √     √       Link/Activity (Per Port)     √     √     √     √       System Indicator (Per Port)     √     √     √     √       BTBE (Houry     203,785 hours     418,738 hours     346,228 hours     330,412 hours       Power Input     68.9 BTU per hour     62.68 BTU per hour     100 to 2004C, 6.84 (max,1)     101 to 2004C, 6.84 (max,1)       Power Consumpton     205,785 hours     18.39 watts (max,1)     505.1watts (max,1)     100 to 2004C, 6.84 (max,1)       Power Consumpton     205 swatts (max,1)     100 to 2004C, 6.84 (max,1)     33.1 watts (max,1)       Power Input     Q23 to (553 floal     2.52 to (553 floal     5.42 to (11.94 floa)       Weight     231 to (553 floal     2.52 to (555 floal     5.42 to (11.94 floa)       Vertiation DC Fan     Fanless     Fanless     4.00 to to '			$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	
Performance Forwarding Rate         9.5 Mpps         9.5 Mpps         9.5 Mpps         13.1 Mpps           MAC Address Table Size         106K			V	$\checkmark$	V	$\checkmark$	
Performance Index and the set of the	Performance	Switching Capacity	12.8 Gbps	12.8 Gbps	12.8 Gbp	17.6 Gbps	
Power (Per Device)     √     √     √       Diagnostic     Console (Per Device)     √     √     √       Link/Activity (Per Port)     √     √     √     √       Speed Indicator (Per Portice)     √     √     √     √       RPS (Per Device)     √     √     √     √       MTBF (Hours)     203,785 hours     419,736 hours     345,226 hours     380,412 hours       Heat Dissipation     69.9 BTU per hour     62.68 BTU per hour     101 to 240VAC, 63.4 (max,),50 to 60Hz     100 to 240VAC, 63.4 (max,),50 to 60Hz       Power Consumption     100 to 240VAC, 0.5A (max,),50 to 60Hz     48VOC, 0.6A (max,)     100 to 240VAC, 63.4 (max,),50 to 60Hz     100 to 240VAC, 0.5A (max,),50 to 60Hz       Power Consumption     205 wetts (max,)     18.38 watts (max,)     100 to 240VAC, 63.4 (max,),50 to 60Hz     100 to 240VAC, 0.5A (max,),50 to 6			9.5 Mpps	9.5 Mpps	9.5 Mpps	13.1 Mpps	
Diagnostic       Image: Console (Per Device)       M       M       M         Link/Activity (Per Port)       M       M       M       M       M         Speed Indicator (Per Port)       M       M       M       M       M         RPS (Per Device)       M       M       M       M       M       M         MTBF (Hours)       203,785 hours       419,736 hours       345,226 hours       380,412 hours         Heat Dissipation       69.9 BTU per hour       62.88 BTU per hour       100 to 240/AC, 63A (max), 50 to 60Hz       M         Power Input       100 to 240/AC, 65A (max), 50 to 60Hz       449/OC, 68A (max)       100 to 240/AC, 63A (max), 50 to 60Hz       100 to 240/AC, 63A (max), 50 to 60		MAC Address Table Size	16K	16K	16K	16K	
Diagnosti       Ind/Activity (Per Port)       \low d       \low d       \low d         Speed Indicator (Per Port)       \low d       <		Power (Per Device)	$\checkmark$	$\checkmark$	√	√	
Drag for the formage in the formag		Console (Per Device)	$\checkmark$	$\checkmark$	$\checkmark$	N	
Specification (Per Port)     √     √     √       RPS (Per Device)     √      √       MTBF (Hours)     203,785 hours     419,736 hours     345,226 hours     380,412 hours       MTBF (Hours)     203,785 hours     419,736 hours     345,226 hours     380,412 hours       Heat Dissipation     69.9 BTU per hour     62.68 BTU per hour     1723 BTU per hour     112.67 BTU per hour       Power Input     100 to 240VAC, 0.54 (max.), 50 to 60Hz     46V0C, 0.64 (max.)     100 to 240VAC, 0.63.4 (max.), 50 to 60Hz       Power Consumption     20.5watts (max.)     18.38watts (max.)     505.1watts (max.)     33.1watts (max.)       Optional Redundant Power Supply     √      √     √       Ventilation DC Fan     2.51 kg (5.53 lbs)     2.52 kg (5.55 lbs)     5.42 kg (11.94 lbs)     4.09 kg (8.01 lbs)       Ventilation DC Fan     Fanless     Fanless     4.00 C Fans     2.0C Fans       Operating Temperature     0" to 45" C          Operating Humidity     E       4.00 to 25% to 95% to 95% to 95% to 95% to		Link/Activity (Per Port)	$\checkmark$	$\checkmark$	$\checkmark$		
MTBF (Hours)       203,785 hours       419,736 hours       345,226 hours       380,412 hours         Heat Dissipation       69.9 BTU per hour       62.68 BTU per hour       1723 BTU per hour       112.87 BTU per hour         Power Input       100 to 240VAC, 0.5A (max.), 50 to 60Hz       48VOC, 0.6A (max.)       100 to 240VAC, 0.5A (max.), 50 to 60Hz       100 to 240VAC, 0.5A (max.), 50 to 60Hz         Power Consumption       20.5watts (max.)       18.38watts (max.)       505.1watts (max.)       33.1watts (max.)         Dimensions       441 (W) x 210 (D) x 44(H) mm       441 (W) x 310 (D) x 44(H) mm       √       √         Weight       2.51 kg (5.53 lbs)       2.52 kg (5.55 lbs)       5.42 kg (11.94 lbs)       4.09 kg (8.01 lbs)         Operating Temperature       0° to 7° C       °       √        2.05 Kg 55 kg 5			$\checkmark$	$\checkmark$	$\checkmark$	$\checkmark$	
Heat Dissipation       69.9 BTU per hour       62.68 BTU per hour       1723 BTU per hour       112.87 BTU per hour         Power Input       100 to 240VAC, 0.5A (max.), 50 to 60Hz       48VDC, 0.6A (max.)       100 to 240VAC, 6.3A (max.), 50 to 60Hz       100 to 240VAC, 0.8A (max.), 50 to 60Hz       100 to 240VAC, 0.8A (max.), 50 to 60Hz       100 to 240VAC, 0.8A (max.), 50 to 60Hz       33.1watts (max.)         Power Consumption       20.5watts (max.)       18.38watts (max.)       505.1watts (max.)       33.1watts (max.)         Optional Redundant Power Supply       √       -       √       √         Dimensions       441 (W) x 210 UD x 44(H) mm       441 (W) x 310 UD x 44(H) mm       441 (W) x 310 UD x 44(H) mm         Weight       2.51 kg (5.53 lbs)       2.52 kg (5.55 lbs)       5.42 kg (11.94 lbs)       4.09 kg (9.01 lbs)         Operating Temperature       0" to 45" C       -       -       -       -         Operating Temperature       -       -       -       -       -       -         Operating Humidity       -		RPS (Per Device)	$\checkmark$	-	$\checkmark$	$\checkmark$	
Power Input       100 to 240VAC, 0.5A (max.), 50 to 60Hz       48VDC, 0.6A (max.)       100 to 240VAC, 6.3A (max.), 50 to 60Hz       100 to 240VAC, 0.8A (max.), 50 to 60Hz         Power Consumption       20.5watts (max.)       18.38watts (max.)       505.1watts (max.)       33.1watts (max.)         Diptional Redundant Power Supply $\checkmark$ $\checkmark$ $\checkmark$ $\checkmark$ $\checkmark$ Dimensions       441 (W) x 210 (D) x 44(H) mm       441 (W) x 310 (D) x 44(H) mm       4.09 kg (9.01 lbs)       4.09 kg (9.01 lbs)         Ventilation DC Fan       Fanless       Fanless       4 DC Fans       2 DC Fans         Storage Temperature       0" to 45" C       5% to 95% non-condensing	MTBF (Hours)		203,785 hours	419,736 hours	345,226 hours	380,412 hours	
Power Consumption       20.5watts (max.)       18.38watts (max.)       505.1watts (max.)       33.1watts (max.)         Optional Redundant Power Supply       √       -       √       √         Dimensions       441 (W) x 210 (D) x 44(H) mm       441 (W) x 310 (D) x 44(H) mm       441 (W) x 310 (D) x 44(H) mm         Weight       2.51 kg (5.53 lbs)       2.52 kg (5.55 lbs)       5.42 kg (11.94 lbs)       4.09 kg (9.01 lbs)         Ventilation DC Fan       Fanless       Fanless       4 DC Fans       2 DC Fans         Operating Temperature       -       -       -       -         Storage Temperature       -       -       -       -         Operating Humidity       -       -       -       -	Heat Dissipation		69.9 BTU per hour	62.68 BTU per hour	1723 BTU per hour	112.87 BTU per hour	
Optional Redundant Power Supply       Image: Marcine Supply <th image:<="" td=""><td colspan="2">Power Input</td><td>100 to 240VAC, 0.5A (max.), 50 to 60Hz</td><td>48VDC, 0.6A (max.)</td><td>100 to 240VAC, 6.3A (max.), 50 to 60Hz</td><td>100 to 240VAC, 0.8A (max.), 50 to 60Hz</td></th>	<td colspan="2">Power Input</td> <td>100 to 240VAC, 0.5A (max.), 50 to 60Hz</td> <td>48VDC, 0.6A (max.)</td> <td>100 to 240VAC, 6.3A (max.), 50 to 60Hz</td> <td>100 to 240VAC, 0.8A (max.), 50 to 60Hz</td>	Power Input		100 to 240VAC, 0.5A (max.), 50 to 60Hz	48VDC, 0.6A (max.)	100 to 240VAC, 6.3A (max.), 50 to 60Hz	100 to 240VAC, 0.8A (max.), 50 to 60Hz
Dimensions441 (W) x 210 (D) x 44(H) mm441 (W) x 310 (D) x 44(H) mmWeight2.51 kg (5.53 lbs)2.52 kg (5.55 lbs)5.42 kg (11.94 lbs)4.09 kg (9.01 lbs)Ventilation DC FanFanlessFanless4 DC Fans2 DC FansOperating Temperature-0° to 45° CStorage Temperature-40° to 70° COperating Humidity-5% to 95% non-condensing	Power Consumption		20.5watts (max.)	18.38watts (max.)	505.1watts (max.)	33.1watts (max.)	
Weight         2.51 kg (5.53 lbs)         2.52 kg (5.55 lbs)         5.42 kg (11.94 lbs)         4.09 kg (9.01 lbs)           Ventilation DC Fan         Fanless         Fanless         4 DC Fans         2 DC Fans           Operating Temperature         0° to 45° C	Optional Redundant Power Supply		$\checkmark$	-	$\checkmark$		
Ventilation DC Fan     Fanless     Fanless     4 DC Fans     2 DC Fans       Operating Temperature     0° to 45° C     -40° to 70° C       Storage Temperature     -40° to 70° C       Operating Humidity     5% to 95% non-condensing	Dimensions		441 (W) x 210 (D) x 44(H) mm		441 (W) x 310 (D) x 44(H) mm		
Operating Temperature       0° to 45° C         Storage Temperature       -40° to 70° C         Operating Humidity       5% to 95% non-condensing	Weight		2.51 kg (5.53 lbs)	2.52 kg (5.55 lbs)	5.42 kg (11.94 lbs)	4.09 kg (9.01 lbs)	
Storage Temperature     -40° to 70° C       Operating Humidity     5% to 95% non-condensing	Ventilation DC Fan		Fanless	Fanless	4 DC Fans	2 DC Fans	
Operating Humidity 5% to 95% non-condensing	Operating Temperature		0° to 45° C				
	Storage Temperature		-40° to 70° C				
EMI FCC Class A, CE Class A, C-Tick, VCCI	Operating Humidity		5% to 95% non-condensing				
	EMI		FCC Class A, CE Class A, C-Tick, VCCI				

\*Ports 1 to 8 support 802.3af and pre-standard 802.3at, and ports 9 to 24 support 802.3af only



# **D-Link**<sup>®</sup>

Port Security:

Traffic Segmentation

IP-MAC-Port Binding (IMPB):

- ARP Packet Inspection

D-Link Safeguard Engine

DHCP Server Screening

ARP Spoofing Prevention

BPDU Attack Protection

- Port-based Access Control

- Host-based Access Control

- Dynamic VLAN Assignment

- Port-based Access Control

- Host-based Access Control

- Dynamic VLAN Assignment

- Port-based Access Control

- Host-based Access Control

- Dynamic VLAN Assignment

Multiple Authentication

Supports Microsoft® NAP

(JWAC)

Guest VLAN

- 802.1X NAP

- DHCP NAP

RADIUS Accounting

- Authentication Database Failover

Web-based Access Control (WAC):

- Authentication Database Failover

MAC-based Access Control (MAC):

- Authentication Database Failover

Japanese Web-based Access Control

RADIUS and TACACS+ Authentication

0.3

DHCP Client Filtering

NetBIOS/NetBEUI Filtering

- IP Packet Inspection

- DHCP Snooping

per device

AAA

= 802 1X·

Control

- Up to 64 MAC addresses per port

Broadcast/Multicast/Unicast Storm

- Supports 500 Address Binding Entries



## L2+ Ethernet Stack

Safety	CB, UL / cUL			
Acoustics	0dB	0dB	48.2dB at max speef of fan	35.1dB at max speed of fan
3rd Party Certification	MEF 9,14	-	-	-

Software Features

#### Stackability

- Physical Stacking
- Up to 4G Stacking Bandwidth
- Up to 8 units per Stack
- Virtual Stacking
- Supports D-Link Single IP Management (SIM)
- Up to 32 devices per Virtual Stack

#### L2 Features

- MAC Address Table: 16K
- Flow Control:
- 802.3x Flow Control
- HOL Blocking Prevention
- Jumbo Frames support up to 9,216 bytes
- Spanning Tree Protocol:
- 802.1D STP
- 802.1w RSTP
- 802.1s MSTP
- BPDU Filtering
- Loopback Detection (LBD)
- 802.3ad Link Aggregation:
- Max. 8 groups per device, 8 ports per group
- Port Mirroring:
- One-to-one
- Many-to-one
- Flow-based Mirroring - RSPAN
- .....
- L2 Multicasting IGMP Snooping:
  - IGMP v1/v2/v3 Snooping
  - Supports 256 groups
  - Host-based IGMP Snooping Fast Leave
  - Report Suppression
- Limited IP Multicasting (IGMP Filtering):
- Up to 24 IGMP Filtering Profiles, 128 ranges per profile

SWITCH

MLD Snooping:

### - MLD v1/v2 Snooping

- Supports 256 groups
- MLD Snooping Fast Leave
- L3 Features
- ARP Proxy
- Policy-based Routing

#### VLAN

- VLAN Group:
- Max. 4K VLAN
- GVRP:
- Max. 256 Dynamic VLAN
- 802.10 Tagged VLAN
- Port-based VLAN
- 802.1v Protocol VLANDouble VLAN (Q-in-Q):
- Port-based Q-in-Q
- Selective Q-in-Q
- Selective u-in-u
   VLAN Translation
- VLAN Translation
   MAC-based VLAN
- IVIAC-based
   ISM VLAN
- Asymmetric VLANVLAN Trunking
- Voice VLAN
- Subnet-based VLAN

#### Quality of Service (QoS)

- 802.1p Quality of Service
- 8 queues per port
- Queue Handling:
- Strict Priority
- Weighted Round Robin (WRR)
- Strict + WRR
- CoS based on:
- Switch Port
- VLAN ID
- 802.1p Priority Queues
- MAC Address
- IPv4/v6 Address
- DSCP
- Protocol Type
- IPv6 Traffic Class

- IPv6 Flow Label
  - TCP/UDP Port
  - User-defined packet content
  - Actions for flows:
  - Remark 802.1p Priority Tag
  - Remark TOS/DSCP Tag
  - Bandwidth Control
  - Flow Statistics
  - Committed Information Rate (CIR), min. granularity 64Kbps
  - SRED Congestion Control
  - Bandwidth Control:
  - Port-based (Ingress/Egress, min. granularity 64Kbps)
  - Flow-based (Ingress, min. granularity 64Kbps)
  - Per egress queue bandwidth control
  - Per egress queue bandwidth
  - guarantee • Time-based QoS

#### Access Control List (ACL)

- Up to 1792 Access Rules
- ACL based on:

- IPv4/v6 Address

- Protocol Type

- IPv6 Traffic Class

- IPv6 Flow Label

ACL Statistics

Security

SSH v2

SSL v1/v2/v3

Time-based ACL

VLAN-based ACL

CPU Interface Filtering

- TCP/UDP Port Number

- User Defined packet content

- 802.1p Priority - VI AN ID
- MAC Address - Ether Type

- DSCP

# **D-Link**

- for Switch Access
- Three Level User Accounts

#### Management

- Web-based GUI
- Command Line Interface (CLI)
- Telnet Server
- Telnet Client
- TFTP Client
- ZModem
- SNMP v1/v2c/v3
- SNMP Traps
- System Log
- RMON v1:
- Supports 1, 2, 3, 9 groups RMON v2
- Supports ProbeConfig group
- sFlow
- = LLDP
- BootP/DHCP Client
- DHCP Auto-Configuration
- DHCP Relay
- DHCP Relay Option 60, 61, 82
- PPPoE Circuit-ID Tag Insertion
- DHCP Server
- Dual Image

#### **Optional SFP Transceivers**

 DEM-310GT
 1000BASE-LX, Single-mode, 10km

 DEM-311GT
 1000BASE-SX, Multi-mode, 550m

 DEM-312GT2
 1000BASE-SX, Multi-mode, 2km

 DEM-314GT
 1000BASE-LHX, Single-mode, 50km

 DEM-315GT
 1000BASE-ZX, Single-mode, 80km

 DEM-210
 100BASE-FX, Single-mode, 15km

 DEM-211
 100BASE-FX, Multi-mode, 2km

SWITCH

- Dual Configuration
- CPU Monitoring
- NTP/SNTP
- Password Recovery
- Password Encryption
- DNS Relay

#### 0AM

- Cable Diagnostics
- 802.3ah Ethernet Link OAM
- 802.1ag Connectivity Fault Management (CFM)
- Loopback Diagnostics

#### D-Link Green

- Compliant with RoHS 6
- Time-based PoE

#### MIB

- RFC1213 MIB-II
- RFC1493 Bridge MIB
- RFC1907 SNMPv2 MIB
- RFC1757, 2819 RMON MIB
- RFC2021 RMONv2 MIB
- RFC1643, 2358, 2665 Ether-like MIB
- RFC2674 802.1p MIB
- RFC2233, 2863 IF MIB
- RFC2618 RADIUS Authentication Client MIB

### **Optional Products**

#### **Optional WDM SFP Transceivers**

DEM-330T	1000BASE-LX, Wavelength Tx:1550nm
	Rx:1310nm, Single-mode, 10km
DEM-330R	1000BASE-LX, Wavelength Tx:1310nm
	Rx:1550nm, Single-mode, 10km
DEM-331T	1000BASE-LX, Wavelength Tx:1550nm
	Rx:1310nm, Single-mode, 40km
DEM-331R	1000BASE-LX, Wavelength Tx:1310nm
	Rx:1550nm, Single-mode, 40km

#### RFC2620 RADIUS Accounting Client MIB

- RFC2925 Ping & TRACEROUTE MIB
- D-Link Private MIB

#### IETF® Standard

- RFC768 UDP
- RFC783 TFTP
- RFC791 IP
- RFC792 ICMP
- RFC793 TCP
- RFC826 ARP
- RFC854 Telnet
- RFC951, 1542 BootP
- RFC2068 HTTP
- RFC2138 RADIUS
- RFC2139, 2866 RADIUS Accounting
- RFC2474 DiffServ
- RFC2597 DSCP AF
- RFC2598 DSCP EF
- RFC1492 TACACS
- RFC1157 SNMPv1
- = RFC1901, 1908 SNMPv2c
- RFC2570, 2575 SNMPv3
- RFC3164, 3195 Syslog

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RFC3046 DHCP Relay Option

#### **Optional Redundant Power Supply**

PS-200	60-watt redundant power supply
PS-600	500-watt redundant power supply (for DES-
	3528P only)
PS-800	2-slot redundant power supply chassis
PS-900	8-slot redundant power supply chassis

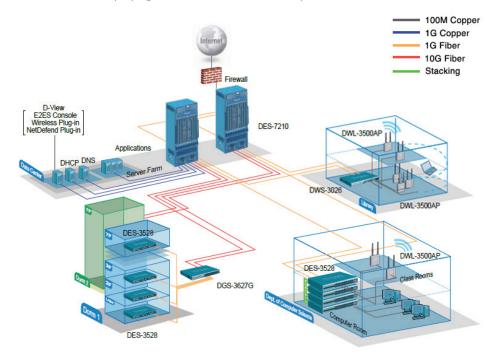
#### **Optional Management Software\***

	0
DV-600S	D-View 6.0 Network Management System
	(Standard Edition)
DV-600P	D-View 6.0 Network Management System
	(Professional Edition)

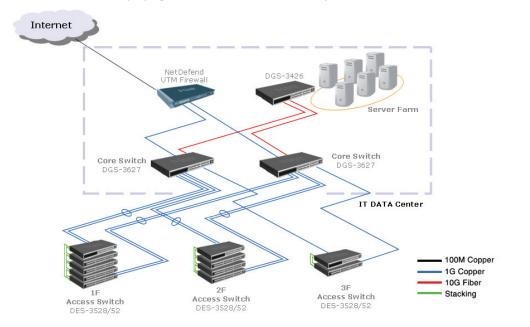
\*Also supports D-View 5.1

### DES-3528, DES-3552

#### Deploying the DES-3528/3552 in a Campus Network



Deploying the DES-3528/3552 in an Enterprise Network



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## SWITCH

**D-Link**<sup>®</sup>