

Flexible Choices

- 24 or 48 10/100/1000 Mbps ports and 16 SFP ports (model-specific)
- 4 or 8 combo Gigabit copper/SFP uplinks for connections in enterprise or metropolitan areas
- Selectable software images provide a sophisticated feature set that meet your environment's needs
- 802.3af and 802.3at Power Over Ethernet support¹

High Bandwidth Physical and Virtual Stacking

- 2 dedicated stacking ports per switch
- Up to 40 Gbps Full-Duplex Stacking Bandwidth
- Up to 6 units (288 Gigabit ports) per stack
- Linear or Fault Tolerant Ring Stacking Topology
- Virtual Stacking of up to 32 units
- Embedded D-Link SIM for integration of all xStack switches

Reliability

- Redundant Power Supply (RPS) support
- 802.1D/802.1w/802.1s Spanning Tree
- Loopback Detection (LBD)
- Ethernet Ring Protection Switching (ERPS)

Security

- Multi-Layer Access Control List (ACL)
- IP-MAC-Port Binding (IMPB)
- D-Link Safeguard Engine
- DHCP Server Screening
- BPDU Attack Protection
- ARP Spoofing Prevention
- DoS Attack Prevention²

AAA

- 802.1X
- Web-based Access Control (WAC)
- MAC-based Access Control (MAC)
- Compound Authentication
- Identity-driven Policies
- Microsoft® NAP support
- RADIUS Accounting
- TACACS+ Accounting²

Triple Play

- IGMP/MLD Snooping
- IGMP Snooping Multicast (ISM) VLAN
- Port/Flow-based bandwidth control
- Granular Bandwidth Control down to 64 Kbps

¹ For DGS-3120-24PC/48PC models only.
² Supported in firmware R3.0 SI and above.

xStack L2 Managed Stackable Gigabit Switches

The DGS-3120 xStack Series switches are enhanced L2 access stackable switches designed to connect end-users in a secure SMB or enterprise network. These switches support physical stacking, multicast, and enhanced security, making them an ideal Gigabit access layer solution. The DGS-3120-24TC/48TC provides 20 or 44 10/100/1000 Mbps Gigabit Ethernet ports, and 4 combo 1000BASE-T/SFP Gigabit Ethernet ports. The DGS-3120-24PC/48PC provide 24 or 48 10/100/1000 Mbps PoE Gigabit Ethernet ports and 4 combo 1000BASE-T/SFP Gigabit Ethernet ports. The DGS-3120-24SC/24SC-DC provide 16 SFP Gigabit Ethernet ports and 8 combo 1000BASE-T/SFP Gigabit ports. Each 10/100/1000 Mbps port on the DGS-3120-24PC/48PC supports the 802.3af and 802.3at Power over Ethernet standards. The default power budget for these models is 370 watts and can be expanded to 760 watts with the DPS-700 RPS. The switches are also equipped with an SD Card slot, allowing the user to boot images and upload configuration files directly from an SD Card as well as conveniently save syslog files onto the SD Card.

Standard and Enhanced Images

The DGS-3120 Series is embedded with two different software images - the Standard Image (SI) and Enhanced Image (EI). The Standard Image provides sophisticated features for campus or enterprise usage. It includes advanced Quality of Service (QoS), traffic shaping, L2 multicasting, robust security features, and IPv6 features which are suitable for next-generation IPv6 networks or triple play applications over Metro Ethernet³. The Enhanced Image supports ERPS, Double VLAN (Q-in-Q), Ethernet OAM, Static Route, IMPB, and sFlow.

Enhanced Network Reliability

The DGS-3120 Series targets enterprises, campuses, and customers who require a high level of network security and maximum uptime. All the models in the DGS-3120 Series except the DGS-3120-24SC-DC support an external redundant power supply so that continued operation can be assured. They also include other features, such as 802.1D Spanning Tree (STP), 802.1w Rapid Spanning Tree (RSTP), and 802.1s Multiple Spanning Tree (MSTP), Loopback Detection (LBD), and Broadcast Storm Control, that enhances network resilience. G.8032 Ethernet Ring Protection Switching (ERPS) minimizes the recovery time to 50ms. For load sharing and redundancy backup in a switch cascading/server attachment configuration, the DGS-3120 Series provides dynamic 802.3ad Link Aggregation Port Trunking.

³ Supports IPv6 in firmware R3.0 SI and above.

Comprehensive Security

The DGS-3120 Series provides users with the latest security features such as Multi-layer and Packet Content Access Control Lists (ACL), Storm Control, and IP-MAC-Port Binding (IMPB) with DHCP Snooping. 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. In addition, the D-Link Safeguard Engine identifies and prioritizes "CPU interested" packets to prevent malicious traffic from interrupting normal network flows, and to protect switch operation.

Identity Driven Network Policies

The DGS-3120 Series supports authentication mechanisms such as 802.1X, Web-based Access Control (WAC), and MAC-based Access Control (MAC) for strict access control and easy deployment. After authentication, individual policies such as VLAN membership, QoS policies, and ACL rules can be assigned to each host. In addition, the switch also supports Microsoft® NAP (Network Access Protection). NAP is a policy enforcement technology that allows customers to protect network assets from unhealthy computers by enforcing compliance with network health policies.



OAM

- 802.3ah Link OAM
- 802.1ag, ITU-T Y.1731 Service OAM
- Port/Flow Mirroring, RSPAN
- DHCP Auto Configuration
- sFlow

IPv6 Features

- IPv6 Neighbor Discovery (ND)
- IPv6 Management
- IPv4/v6 Dual Stack
- IPv6 Ready Logo Phase 2

Configuration/Management

- Web-based GUI (IPv4/v6)
- Command Line Interface (CLI)
- Telnet (IPv4/v6)
- SNMP v1/v2c/v3 (IPv4/v6)
- RADIUS/TACACS+ Authentication for Management Access
- Multiple Images/Configurations

xStack L2 Managed Stackable Gigabit Switches

Traffic Management for Triple Play

The DGS-3120 Series implements a rich set of multilayer QoS/CoS features to ensure that critical network services such as VoIP, video conferencing, IPTV, and IP surveillance are given high priority. Traffic Shaping features guarantee bandwidth for these services when the network is busy. L2 Multicast support enables the DGS-3120 to handle growing IPTV bandwidth requirements. Host-based IGMP/MLD Snooping allows multiple multicast subscribers per physical interface and ISM VLAN sends multicast streams in a multicast VLAN to save bandwidth and to provide better security to the backbone network. The ISM VLAN profiles allow users to bind/replace the pre-defined multicast registration information to subscriber ports quickly and easily.

Proactive, Effective Network Management

To uphold enterprise customers' Service Level Agreements (SLA), service providers must reduce their Mean Time to Repair (MTTR) and increase service availability. Ethernet OAM features address these challenges and enable service providers to offer carrier-grade services. The DGS-3120 Series supports industry-standard OAM tools, including IEEE 802.3ah, IEEE802.1ag, and ITU-T Y.1731. Connectivity Fault Management (CFM) provides tools to monitor and troubleshoot end-to-end Ethernet networks, allowing service providers to check connectivity, isolate network issues, and identify customers affected by network issues.

IPv6 Technology

The DGS-3120 Series is fully compliant with future IPv6 networks. It supports remote IPv6 manageability from telnet, HTTP, or SNMP. To create secure IPv6 networks, the DGS-3120 Series uses IPv6 ACL, DHCPv6 Snooping, and Neighbor Discovery (ND) snooping functions to protect the network from illegal IPv6 clients. The DGS-3120 Series has been certified with IPv6 Ready Logo Phase 2 from the IPv6 forum, a worldwide IPv6 advocacy consortium. The IPv6 Ready Logo Program ensures the conformance and interoperability of IPv6 products.

D-Link Green Technology

D-Link is striving to take the lead in developing innovative and power-saving technology that does not sacrifice operational performance or functionality. The DGS-3120 Series implements D-Link Green Technology, which includes a power saving mode, Smart Fan, reduced heat, and cable length detection. The power-saving feature automatically powers down ports that are detected to have no link or link partner. The Smart Fan feature allows for the built-in fans to automatically turn on at a certain temperature, providing continuous, reliable, and eco-friendly operation of the switch.

Manageability

D-Link's Single IP Management (SIM) simplifies and speeds up management tasks, allowing multiple switches to be configured, monitored, and maintained from any workstation running a web browser through one unique IP address. This virtual stack is managed as a single object, having all units maintained by one IP address. The DGS-3120 Series also supports standard-based management protocols such as SNMP, RMON, Telnet, Console, Web-based GUI, and SSH/SSL security authentication.

Technical Specifications		DGS-3120-24TC	DGS-3120-48TC	DGS-3120-24PC
Interfaces	Ports	20 10/100/1000BASE-T ports 4 Combo 10/100/1000BASE-T/SFP ports	44 10/100/1000BASE-T ports 4 Combo 10/100/1000BASE-T/SFP ports	20 10/100/1000BASE-T ports 4 Combo 10/100/1000BASE-T/SFP ports
	Optional Redundant Power Supply	DPS-200	DPS-500/DPS-500DC	DPS-700
	Console Port	RJ-45		
	Stacking Ports	2		
	SD Card Slots	1		
Performance	Switching Capacity	88 Gbps	136 Gbps	88 Gbps
	64-Byte Packet Forwarding Rate	65.48 Mpps	101.19 Mpps	65.48 Mpps
	Packet Buffer Memory	2 MB		
	Flash Memory	32 MB		
PoE	PoE Standards	-	-	802.3af and 802.3at
	PoE Power Budget	-	-	370 watts 760 watts (with DPS-700 RPS)
Physical	MTBF (Hours)	561829.573 hours	292201.572 hours	282541.698 hours
	Acoustics	Max: 44.2 dB; Min: 28.1 dB	Max: 45.2 dB; Min: 35.7 dB	Max: 52.5 dB; Min: 38.1 dB
	Heat Dissipation	138.105 BTU/h	228.811 BTU/h	1628.957 BTU/h (with 370 W PoE load) 3219.7 BTU/h (with 760 W PoE load)
	Power Input	100 to 240 VAC, 50 to 60 Hz		
	Max Power Consumption	40.5 watts	67.1 watts	482.7 watts (with 370 W PoE load) 944.2 watts (with 760 W PoE load)
	Dimensions (W x D x H)	440 x 210 x 44 mm (17.32 x 8.27 x 1.73 inches)	440 x 310 x 44 mm (17.32 x 12.20 x 1.73 inches)	440 x 310 x 44 mm (17.32 x 12.20 x 1.73 inches)
	Weight	2559 g (5.64 pounds)	4615 g (10.17 pounds)	5423 g (11.96 pounds)
	Ventilation	Smart Fan ⁴		
	Operating Temperature	0 to 50 °C		
	Storage Temperature	-40 to 70 °C		
	Operating Humidity	10% to 90% RH		
	Storage Humidity	5% to 90% RH		
	Emission (EMI)	FCC Class A, CE Class A, VCCI Class A, IC, C-Tick, BSMI		
	Safety	CB, cUL, LVD, BSMI		
Certification	IPv6 Ready Logo Phase 2			

⁴ Fan runs at a low speed by default. When operating temperature exceeds 40 °C, the fan switches to high speed mode until the temperature drops below 35 °C.

Technical Specifications		DGS-3120-48PC	DGS-3120-24SC	DGS-3120-24SC-DC
Interfaces	Ports	44 10/100/1000BASE-T Ports 4 Combo 10/100/1000BASE-T/SFP Ports	16 SFP Ports 8 Combo 10/100/1000Base-T/SFP Ports	16 SFP Ports 8 Combo 10/100/1000Base-T/SFP ports
	Optional Redundant Power Supply	DPS-700	DPS-200	NA
	Console Port	RJ-45		
	Stacking Ports	2		
	SD Card Slots	1		
Performance	Switching Capacity	136 Gps	88 Gps	88 Gps
	64-Byte Packet Forwarding Rate	101.19 Mbps	65.48 Mbps	65.48 Mbps
	Packet Buffer Memory	2 MB		
	Flash Memory	32 MB		
PoE	PoE Standards	802.3af and 802.3at	-	-
	PoE Power Budget	370 watts 760 watts (with DPS-700 RPS)	-	-
Physical	MTBF (Hours)	223006.071 hours	516317.323 hours	472497.4737 hours
	Acoustics	Max: 52.3 dB; Min: 38.4 dB	Max: 45.0 dB; Min: 33.1 dB	Max: 43.9 dB; Min: 36.9 dB
	Heat Dissipation	1725.46 BTU/h (with 370 W PoE load) 3367.4 BTU/h (with 760 W PoE load)	116.281 BTU/h	110.484 BTU/h
	Power Input	100 to 240 V AC, 50 to 60 Hz		48 V DC, 1.2 A max
	Max Power Consumption	516.5 watts (with 370 W PoE load) 987.5 watts (with 760 W PoE load)	34.1 watts	32.4 watts
	Dimensions (W x D x H)	440 x 380 x 44 mm (17.32 x 14.96 x 1.73 inches)	440 x 210 x 44 mm (17.32 x 8.27 x 1.73 inches)	440 x 210 x 44 mm (17.32 x 8.27 x 1.73 inches)
	Weight	6331 g (13.96 pounds)	2635 g (5.81 pounds)	2635 g (5.81 pounds)
	Ventilation	Smart Fan ⁴		
	Operating Temperature	0 to 50 °C		
	Storage Temperature	-40 to 70 °C		
	Operating Humidity	10% to 90% RH		
	Storage Humidity	5% to 90% RH		
	Emission (EMI)	FCC Class A, CE Class A, VCCI Class A, IC, C-Tick, BSMI	FCC Class A, CE Class A, VCCI Class A, IC, C-Tick	
	Safety	CB, cUL, LVD, BSMI	CB, cUL, LVD	
	Certification	IPv6 Ready Logo Phase 2		

⁴ Fan runs at a low speed by default. When operating temperature exceeds 40 °C, the fan switches to high speed mode until the temperature drops below 35 °C.

Software Features

Standard Image (SI) Features

Stackability

- Physical Stacking
 - Up to 40G Stacking Bandwidth
 - Up to 6 units per Stack
- Virtual Stacking
 - D-Link Single IP Management (SIM)
 - Up to 32 units per Virtual Stack

L2 Features

- MAC Address Table: 16K entries
- Flow Control
 - 802.3x Flow Control
 - HOL Blocking Prevention
- Jumbo Frames up to 13 Kbytes
- Spanning Tree Protocols
 - 802.1D STP
 - 802.1w RSTP
 - 802.1s MSTP
 - BPDU Filtering
 - Root Restriction
- Loopback Detection
- 802.3ad Link Aggregation
 - Max. 32 groups per device, 8 Gigabit ports per group
- Port Mirroring
 - One-to-One
 - Many-to-One
 - Flow-based
 - RSPAN Mirroring

L2 Multicasting

- IGMP Snooping
 - IGMP v1/v2/v3 Snooping
 - Supports 1024 IGMP groups
 - Port/Host-based IGMP Snooping Fast Leave
- Limited IP Multicast
 - Up to 24 IGMP filtering profiles, 32 ranges per profile
- MLD Snooping
 - MLD v1/v2 Snooping
 - Support 1024 MLD Groups
 - Host-based MLD Snooping Fast Leave

VLAN

- VLAN Group
 - Max. 4K VLAN Groups
- GVRP
 - Max. 255 Dynamic VLAN Groups
- 802.1Q Tagged VLAN
- Port-based VLAN
- 802.1v Protocol VLAN
- Voice VLAN
- MAC-based VLAN
- ISM VLAN
- Asymmetric VLAN
- Private VLAN
- VLAN Trunking

QoS (Quality of Service)

- 802.1p
- 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 Address
 - DSCP
 - Protocol Type
 - TCP/UDP Port
 - User-Defined Packet Content
 - IPv6 Address
 - IPv6 Traffic Class
 - IPv6 Flow Label
- Supports following actions for flows
 - Remark 802.1p Priority Tag
 - Remark TOS/DSCP Tag
 - Bandwidth Control
- Bandwidth Control
 - Port-based (Ingress/Egress, Min. Granularity 8 Kbps)⁵
 - Flow-based (Ingress/Egress, Min. Granularity 8 Kbps)⁵
- Three Color Marker⁵
 - CIR/PIR minimum granularity: 8 kbps⁶
 - Two Rate Three Color Marker (trTCM), CBS/PBS
 - Single Rate Three Color Marker (srTCM), CBS/EBS

Access Control List (ACL)

- Supports up to 1.5K Ingress access rules
- ACL based on
 - 802.1p Priority
 - VLAN ID
 - MAC Address
 - Ether Type
 - IPv4 Address
 - DSCP
 - Protocol Type
 - TCP/UDP Port Number
 - User-Defined Packet Content
 - IPv6 Address
 - IPv6 Flow Label
 - IPv6 Traffic Class
- Time-based ACL
- CPU Interface Filtering

Security

- SSH v2
- SSL v1/v2/v3
- Port Security
 - Up to 64 MAC addresses per port/VLAN
- Broadcast/Multicast/Unicast Storm Control
- Traffic Segmentation

- D-Link Safeguard Engine
- NetBIOS/NetBEUI Filtering
- DHCP Server Screening
- ARP Spoofing Prevention
- DoS Attack Prevention⁵
- BPDU Attack Protection

AAA

- 802.1X:
 - Port-based Access Control
 - Host-based Access Control
 - Identity-driven Policy (VLAN, ACL or QoS) Assignment
 - Authentication Database Failover
- Web-based Access Control (WAC):
 - Port-based Access Control
 - Host-based Access Control
 - Identity-driven Policy (VLAN, ACL or QoS) Assignment
 - Authentication Database Failover
- MAC-based Access Control (MAC):
 - Port-based Access Control
 - Host-based Access Control
 - Identity-driven Policy (VLAN, ACL or QoS) Assignment
 - Authentication Database Failover
- Japan Web-based Access Control (Host-based JWAC)⁶
- Guest VLAN
- Microsoft® NAP
 - Support 802.1X NAP
 - Support DHCP NAP
- RADIUS Accounting
- TACACS+ Accounting⁴
- RADIUS and TACACS authentication for switch access
- 4 Level User Account

D-Link Green Features

- Compliant with RoHS
- Power Saving by Link Status
- Power Saving by Cable Length
- Time-based PoE⁷

Operation, Administration & Management (OAM)

- Cable Diagnostics

Management

- Web-based GUI⁸
- Command Line Interface (CLI)
- Telnet Server⁸
- Telnet Client⁸
- TFTP Client⁸
- ZModem
- SNMP v1/v2c/v3
- SNMP Traps
- System Log⁸
- RMON v1:
 - Supports 1,2,3,9 groups
- RMON v2:
 - Supports ProbeConfig group
- LLDP

⁵ Supported in firmware R2.0 SI and above.

⁶ Supported in firmware R3.0 SI and above.

⁷ Supported in DGS-3120-24PC and DGS-3120-48PC only.

⁸ Support for IPv6 in firmware R3.0 SI and above.

- BootP/DHCP Client
- DHCP Auto-Configuration
- DHCP Relay
- DHCP Client Option 12
- DHCP Relay Option 82
- Flash File System
- Multiple Images
- Multiple Configurations
- CPU Monitoring
- Debug Command
- SNTP
- Password Recovery
- Password Encryption
- Trusted Host
- Microsoft® NLB (Network Load Balancing) Support
- ICMPv6

MIB

- RFC 1213 MIB II
- RFC 4188 Bridge MIB
- RFC 1907 SNMPv2 MIB
- RFC 1757, 2819 RMON MIB
- RFC 2021 RMONv2 MIB
- RFC 1398, 1643, 1650, 2358, 2665 Ether-like MIB
- RFC 2674 802.1p MIB
- RFC 2233, 2863 IF MIB
- RFC 2618 RADIUS Authentication Client MIB
- RFC 2620 RADIUS Accounting Client MIB
- RFC 2925 PING & TRACEROUTE MIB
- RFC 2674, 4363 802.1p MIB
- RFC1065, 1066, 1155, 1156, 2578 MIB Structure⁹
- RFC1212 Concise MIB Definitions⁹
- RFC1215 MIB Traps Convention⁹
- RFC1157, 2571-2576 SNMP MIB⁹
- RFC4022 MIB for TCP⁹
- RFC4113 MIB for UDP⁹
- RFC4293 IPv6 SNMP Mgmt Interface MIB⁹

RFC Standard Compliance

- RFC 768 UDP
- RFC 791 IP
- RFC 792, 2463, 4443 ICMP
- RFC 793 TCP
- RFC 826 ARP
- RFC 3513, 4291, IPv6 Addressing Architecture
- RFC 2893, 4213 IPv4/IPv6 dual stack function
- RFC 2463, 4443 ICMPv6
- RFC 2462, 4862 IPv6 Stateless Address Auto Configuration
- RFC 2464 IPv6 Ethernet and definition
- RFC 1981 Path MTU Discovery for IPv6
- RFC 2460 IPv6
- RFC 2461, 4861 Neighbor Discovery for IPv6
- RFC 783 TFTP
- RFC 854 Telnet
- RFC 951, 1542 BootP
- RFC 2068 HTTP
- RFC 1492 TACACS
- RFC 2866 RADIUS Accounting
- RFC 2474, 3260 DiffServ
- RFC 1321, 2284, 2865, 3580, 3748 Extensible Authentication Protocol (EAP)
- RFC 2571, 2572, 2573, 2574, SNMP
- IPv6 Ready Logo Phase 2

Enhanced Image (EI) Features

L2 Features

- Ethernet Ring Protection Switching (ERPS)

VLAN

- Double VLAN (Q-in-Q)
 - Port-based Q-in-Q

L3 Features

- Max. 16 IP Interfaces
- ARP Proxy¹⁰
- IPv6 Neighbour Discovery (ND)

L3 Routing

- Static Route
 - 512 static routing entries for IPv4/IPv6

Access Control List (ACL)

- Supports up to 512 egress access rules

Security

- IP-MAC-Port Binding
 - ARP Packet Inspection
 - IP Packet Inspection
 - DHCP Snooping
 - IPv6 ND Snooping
 - Support up to 510 Address Binding Entries per Device

AAA

- Compound Authentication

Operation, Administration & Management (OAM)

- 802.3ah Ethernet Link OAM
- 802.3ah D-Link Extension: D-link Unidirectional Link Detection (DULD)¹⁰
- 802.1ag Connectivity Fault Management (CFM)
- ITU-T Y.1731¹⁰

Management

- sFlow
- Trusted Host

⁹ Supported in firmware R2.0 S1 and above.

¹⁰ Supported in firmware R2.0 EI and above.

Ordering Information

DGS-3120 xStack Series Switches	
DGS-3120-24TC/SI	20 10/100/1000BASE-T ports and 4 Combo 10/100/1000BASE-T/SFP ports with embedded SI image (stacking cable and SD card are not included)
DGS-3120-24TC/EI	20 10/100/1000BASE-T ports and 4 Combo 10/100/1000BASE-T/SFP ports with embedded EI image (stacking cable and SD card are not included)
DGS-3120-48TC/SI	44 10/100/1000BASE-T ports and 4 Combo 10/100/1000BASE-T/SFP ports with embedded SI image (stacking cable and SD card are not included)
DGS-3120-48TC/EI	44 10/100/1000BASE-T ports and 4 Combo 10/100/1000BASE-T/SFP ports with embedded EI image (stacking cable and SD card are not included)
DGS-3120-24SC/SI	16 SFP ports and 8 Combo 10/100/1000BASE-T/SFP ports with embedded SI image (stacking cable and SD card are not included)
DGS-3120-24SC/EI	16 SFP ports and 8 Combo 10/100/1000BASE-T/SFP ports with embedded EI image (stacking cable and SD card are not included)
DGS-3120-24SC-DC/SI	16 SFP ports and 8 Combo 10/100/1000BASE-T/SFP ports with embedded SI image and DC power supply (stacking cable and SD card are not included)
DGS-3120-24SC-DC/EI	16 SFP ports and 8 Combo 10/100/1000BASE-T/SFP ports with embedded EI image and DC power supply (stacking cable and SD card are not included)
DGS-3120-24PC/SI	20 10/100/1000BASE-T ports and 4 Combo 10/100/1000BASE-T/SFP PoE ports with embedded SI image (stacking cable and SD card are not included)
DGS-3120-24PC/EI	20 10/100/1000BASE-T ports and 4 Combo 10/100/1000BASE-T/SFP PoE ports with embedded EI image (stacking cable and SD card are not included)
DGS-3120-48PC/SI	44 10/100/1000BASE-T ports and 4 Combo 10/100/1000BASE-T/SFP PoE ports with embedded SI image (stacking cable and SD card are not included)
DGS-3120-48PC/EI	44 10/100/1000BASE-T ports and 4 Combo 10/100/1000BASE-T/SFP PoE ports with embedded EI image (stacking cable and SD card are not included)

Optional Products

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

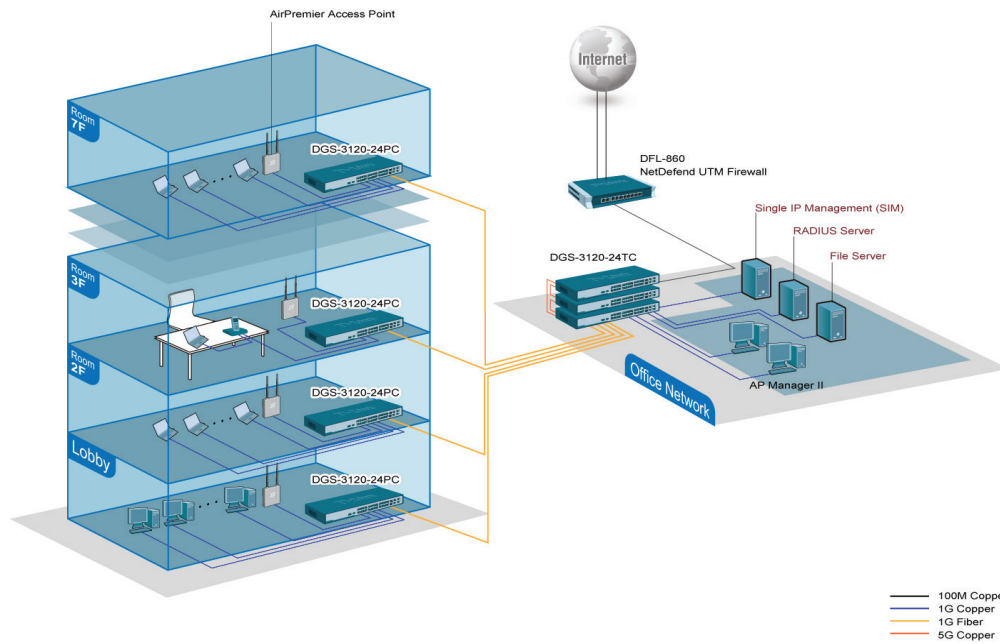
Optional Accessory	
DEM-CB50	50 cm Stacking Cable
DEM-CB100	100 cm Stacking Cable
DEM-CB300	300 cm Stacking Cable
DEM-CB50ICX	50 cm Cable for connecting with CX4 devices

Optional Redundant Power Supply	
DPS-200	60 watt Redundant Power Supply
DPS-500	140 watt Redundant Power Supply
DPS-500DC	140 watt DC Redundant Power Supply
DPS-700	589 watt Redundant Power Supply
DPS-800	2-slot redundant power supply chassis
DPS-900	8-slot redundant power supply chassis

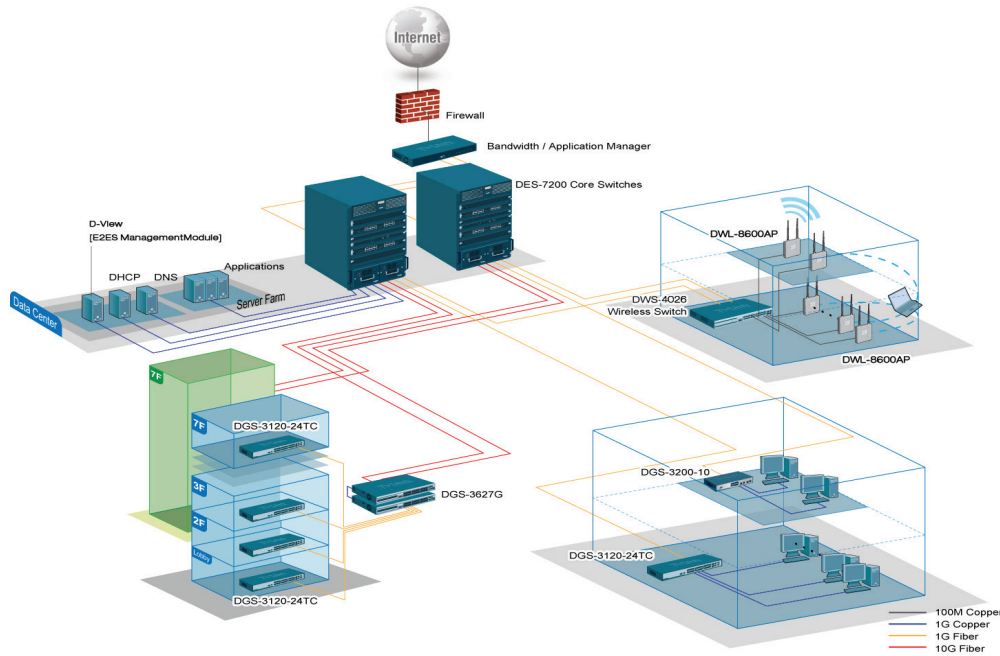
Optional SFP Transceivers	
DEM-712	1000BASE-T Copper SFP Transceiver
DEM-302LX	1000Base-LX, Single-mode, 2 km
DEM-310GT	1000BASE-LX, Single-mode, 10 km
DEM-311GT	1000BASE-SX, Multi-mode, 500 m
DEM-312GT2	1000BASE-SX, Multi-mode, 2 km
DEM-314GT	1000BASE-LHX, Single-mode, 50 km
DEM-315GT	1000BASE-ZX, Single-mode, 80 km
DEM-210	100BASE-FX, Single-mode, 15 km
DEM-211	100BASE-FX, Multi-mode, 2 km

Optional WDM SFP Transceivers	
DEM-302S-BXD	1000BASE-LX, Wavelength Tx:1550 nm Rx:1310 nm, Single-mode, 2 km
DEM-302S-BXU	1000BASE-LX, Wavelength Tx:1310 nm Rx:1550 nm, Single-mode, 2 km
DEM-330T	1000BASE-LX, Wavelength Tx:1550 nm Rx:1310 nm, Single-mode, 10 km
DEM-330R	1000BASE-LX, Wavelength Tx:1310 nm Rx:1550 nm, Single-mode, 10 km
DEM-331T	1000BASE-LX, Wavelength Tx:1550 nm Rx:1310 nm, Single-mode, 40 km
DEM-331R	1000BASE-LX, Wavelength Tx:1310nm Rx:1550 nm, Single-mode, 40 km
DEM-220T	100BASE-BX, Wavelength Tx:1550nm Rx:1310 nm, Single-mode, 20 km
DEM-220R	100BASE-BX, Wavelength Tx:1310nm Rx:1550 nm, Single-mode, 20 km

Deploying the DGS-3120 Series in a small to medium-sized network



Deploying the DGS-3120 Series in an enterprise network



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