







Layer3 24-Port SFP / 10G Managed Switches Comparison Chart



		PLANET	D-Link
Model name		XGS3-24242v2	DGS-3627G
			
Performance			
Switch Fabric		208Gbps	108Gbps
MAC Address Table		32K	16K
Jumbo Frame		16K	9K
ACL Table		3K	1792
IPv4 Routing Table		16K	12K
IPv6 Routing Table		6K	6K
L3 Interface		1K	256
Interface			
1000BASE-X SFP Slots		24, 100FX Compatible	24
10/100/1000BASE-T		16 (Combo)	4 (Combo)
10GBASE-X SFP+ Slots		4	3 Optional XFP module slots
QSFP+ Slot		2 (For Hardware Stacking)	
Console		RJ45 type RS-232	DB9 / RS-232
IPv4 Routing			
Routing Interface		VLAN Routing	VLAN Routing
IP Routing	Static Route	■	■
	RIP v1 / v2	■	■
	OSPFv2	■	■
	BGP4	■	■
	IGMP	V1, V2, V3	V1, V2, V3
Multicast Routing	DVMRP	■	■
	PIM-DM	■	■
	PIM-SM	■	■
	PIM-SSM	■	-
Policy-Based Routing		■	■
VRRP		■	■
CIDR (Classless Inter-Domain Routing)		■	■
MRPP (Multi-layer Ring Protection Protoco		■	-
IPv6 Features			
RIPng		■	■
OSPFv3		■	N / A
MBGP4+		■	N / A
IPv6 Tunnel (6 to 4 Tunnels)		■	■
ND (Neighbor Discovery)		■	■
ND Snooping		■	-
VRRPv3		■	■
ISATAP (Intra-Site Automatic Tunnel Addressing Protocol)		■	-
Layer 2 Features			
Bandwidth Control		In / Out	In / Out
Link Aggregation	Static	8 Trunks / 8 Ports	5 Trunks / 8 Ports
	LACP	128 Trunks / 8 Ports	32 Trunks / 8 Ports
VLAN	802.1Q	■	■
	Portocol-Based	■	■
	Q-in-Q	■	■
	GVRP	■	■
	Private VLAN	■	-
	Voice VLAN	■	-
Spanning Tree		802.1d/1w/1s	802.1d/1w/1s

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STP BPDU Guard		■	-
BPDU Filtering		■	■
Multicast			
IGMP Snooping		V1, V2, V3	V1, V2, V3
IGMP Query mode		■	N / A
IGMP Filtering		■	-
MLDv1/v2 (Multicast Listener Discovery)		■	-
MLD v1/v2 Snooping		■	■ /
MVR (Multicast VLAN Registration)		■	■
MSDP (Multicast Source Descivery Protocol)		■	-
QoS			
QoS	L2 802.1p	■ / 8 queue	■ / 8 queue
	L3 IP TOS / DSCP	■	■
	L4 TCP/UDP Port	■	■
	Strict / WRR	■ / ■	■ / ■
Policy-Base DiffServ		■	■
Security			
Authentication	802.1X Port Based	■	■
	MAC Based	■	■
ACL		L2 / L3 / L4	L2 / L3 / L4
Time-Based ACL		■	■
Port Security		■	■
IP / MAC Security		MAC Filter / IP-MAC Port Binding	IP-MAC Port Binding
SSH / SSL		■ / ■	■ / ■
RADIUS		■	■
TACACS+		■	■
DHCP Snooping		■	-
IP Source Guard		■	-
ARP Inspection		■	-
DoS Protection		■	-
Management			
Management & Configuration		WEB, Telnet, Console	WEB, Telnet, Console
Stacking		IP Stacking, up to 24 units	Hardware stacking, up to 12 units
IPv6 Management		■	■
SNMP	V1, V2c	■	■
	V3	■	■
	Trap	■	■
	RMON	4 Groups	4 Groups
Log		Logs, Syslog	System Log
DHCP Relay		■	■
DHCP Option 82		■	■
DHCP Server		IPv6 / IPv4	■
sFlow		■	■
Other Management		SNTP, LLDP, LLDP-MED	SNTP, CPU monitoring
Physical			
AC Power		Internal 100~240V AC	Internal 100~240V AC
DC Power		-48~ -60V DC	DPS-500

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Performance		
Switch Fabric	208Gbps	128Gbps
MAC Address Table	32K	16K
Jumbo Frame	16K	9K
ACL Table	3K	4K
IPv4 Routing Table	16K	512
IPv6 Routing Table	6K	256
L3 Interface	1K	1K
Interface		
1000BASE-X SFP Slots	24, 100FX Compatible	24, 100FX Compatible
10/100/1000BASE-T	16 (Combo)	12 (Combo)
10GBASE-X SFP+ Slots	4	4 x 10G SFP+ ports 2 Optional rear module slots (Per module has 2 x 10G SFP ports)
QSFP+ Slot	2 (For Hardware Stacking)	
Console	RJ45 type RS-232	RJ45 type RS-232
IPv4 Routing		
Routing Interface	VLAN Routing	VLAN Routing
IP Routing	Static Route	■
	RIP v1 / v2	■
	OSPFv2	■
	BGP4	■
Multicast Routing	IGMP	V1, V2, V3
	DVMRP	■
	PIM-DM	■
	PIM-SM	■
	PIM-SSM	■
Policy-Based Routing	■	
VRRP	■	
CIDR (Classless Inter-Domain Routing)	■	
MRPP (Multi-layer Ring Protection Protocol)	■	
IPv6 Features		
RIPng	■	
OSPFv3	■	
MBGP4+	■	
IPv6 Tunnel (6 to 4 Tunnels)	■	
ND (Neighbor Discovery)	■	
ND Snooping	■	
VRRPv3	■	
ISATAP (Intra-Site Automatic Tunnel Addressing Protocol)	■	
Layer 2 Features		
Bandwidth Control	In / Out	In / Out
Link Aggregation	Static	8 Trunks / 8 Ports
	LACP	128 Trunks / 8 Ports
VLAN	802.1Q	■
	Portocol-Based	■
	Q-in-Q	■
	GVRP	■
	Private VLAN	■

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Model name		XGS3-24242v2	XGS3-24242v1
			
	Voice VLAN	■	■
Spanning Tree		802.1d/1w/1s	802.1d/1w/1s
STP BPDU Guard		■	■
BPDU Filtering		■	■
Multicast			
IGMP Snooping		V1, V2, V3	V1, V2, V3
IGMP Query mode		■	■
IGMP Filtering		■	■
MLDv1/v2 (Multicast Listener Discovery)		■	■
MLD v1/v2 Snooping		■	■
MVR (Multicast VLAN Registration)		■	■
MSDP (Multicast Source Descivery Protocol)		■	■
QoS			
QoS	L2 802.1p	■ / 8 queue	■ / 8 queue
	L3 IP TOS / DSCP	■	■
	L4 TCP/UDP Port	■	■
	Strict / WRR	■ / ■	■ / ■
Policy-Based DiffServ		■	■
Security			
Authentication	802.1X Port Based	■	■
	MAC Based	■	■
ACL		L2 / L3 / L4	L2 / L3 / L4
Time-Based ACL		■	■
Port Security		■	■
IP / MAC Security		MAC Filter / IP-MAC Port Binding	MAC Filter / IP-MAC Port Binding
SSH / SSL		■ / ■	■ / ■
RADIUS		■	■
TACACS+		■	■
DHCP Snooping		■	■
IP Source Guard		■	■
ARP Inspection		■	■
DoS Protection		■	■
Management			
Management & Configuration		WEB, Telnet, Console	WEB, Telnet, Console
Stacking		IP Stacking, up to 24 units	IP Stacking, up to 24 units
IPv6 Management		■	■
SNMP	V1, V2c	■	■
	V3	■	■
	Trap	■	■
	RMON	4 Groups	4 Groups
Log		Logs, Syslog	Logs, Syslog
DHCP Relay		■	■
DHCP Option 82		■	■
DHCP Server		IPv6 / IPv4	IPv6 / IPv4
sFlow		■	■
Other Management		SNTP, LLDP, LLDP-MED	SNTP, LLDP, LLDP-MED
Physical			
Redundant Power System		One Internal 100~240V AC PSU -48~ -60V DC PSU (XGS3-PWR150-48 Optional)	One Internal 100~240V AC PSU One Internal -48V DC PSU