







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

	PLANET	D-Link	Netgear	
Model name	XGS3-24242	DGS-3627G	GSM7328FS	
				
Feature	Multi-Layer Switch	Multi-Layer Switch	Multi-Layer Switch	
Performance				
Switch Fabric	128Gbps	108Gbps	144Gbps	
MAC Address Table	16K	16K	8K	
Jumbo Frame	9K Bytes	9K Bytes	9K Bytes	
VLAN Table	4K	4K / 255	4K	
ACL Table	3K	1792	1024	
L3 Interface	1K	256	N / A	
Interface				
1000SX/LX SFP Slots	24, 100FX Compatible	24	24	
10/100/1000Base-T	12 (Combo)	4 (Combo)	4 (Combo)	
10GbE Interface	2 Optional 2SFP+ module slots (Per module has 2SFP+ slots)	3 Optional XFP module slots	2 built-in 10G SFP+ 2 optional 10G module bays	
Console	RJ-45 type RS-232	DB9 / RS-232	USB / RS-232	
IPv4 Routing				
Routing Interface	VLAN Routing	VLAN Routing	VLAN / Port Routing	
IP Routing	Static Route	■	■	■
	RIP v1 / v2	■	■	■
	OSPFv2	■	■	■
	BGP4	■	■	-
Multicast Routing	IGMP	V1, V2, V3	V1, V2, V3	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)	■	-	-	
IRDP (ICMP Router Discovery Messages)	-	-	-	
IPv6 Features				
RIPng	■	■	-	
OSPFv3	■	N / A	■	
MBGP4+	■	N / A	-	
IPv6 Tunnel (6 to 4 Tunnels)	■	■	■	
ND (Neighbor Discovery)	■	■	■	
ND Snooping	■	-	N / A	
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	
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		■ / ■	■ / ■	
		MAC Filtering / MAC Binding / Static MAC	MAC Filtering / MAC Binding / Static MAC	

Layer3 24-Port SFP / 10G Managed Switches Comparison Chart			
	PLANET	D-Link	Netgear
Model name	XGS3-24242	DGS-3627G	GSM7328FS
			
RADIUS	■	■	■
TACACS+	■	■	■
DHCP Snooping	■	-	■
IP Source Guard	■	-	■
ARP Inspection	■	-	■
DoS Protection	■	-	■
Management			
Management & Configuration	WEB, Telnet, Console	WEB, Telnet, Console	WEB, Telnet, Console
Stacking	IP Stacking, up to 24 units	Hardware stacking, up to 12 units	Hardware Stacking, up to 8 units
IPv6 Management	■	■	■
SNMP	V1, V2c	■	■
	V3	■	■
	Trap	■	■
	RMON	4 Groups	4 Groups
Log	Logs, Syslog	System Log	Syslog
DHCP Relay	■	■	■
DHCP Option 82	■	■	N / A
DHCP Server	IPv6 / IPv4	■	IPv6 / IPv4
sFlow	■	■	■
Other Management	SNTP, LLDP, LLDP-MED	SNTP, CPU monitoring	SNTP, LLDP
Physical			
AC Power	Internal 100~240V AC	Internal 100~240V AC	External 100~240V AC
DC Power	-48V DC	DPS-500	-

Layer3 24-Port SFP Managed Switches Comparison Chart

		PLANET	PLANET
Model name		XGS3-24242	WGS3-24240
Feature		Multi-Layer Switch	Multi-Layer Switch
Performance			
Switch Fabric		128Gbps	48Gbps
MAC Address Table		16K	16K
Jumbo Frame		9K Bytes	9K
VLAN Table		4K	4K
ACL Table		8	8
Interface			
1000SX/LX SFP Slots		24 100FX Compatible	24
10/100/1000Base-T		12 (Combo)	4 (Combo)
10GbE Interface		4 x 10G SFP+ ports 2 Optional rear module slots (Per module has 2 x 10G SFP ports)	-
Console		RJ-45 type RS-232	DB9 / RS-232
IPv4 Routing			
Routing Interface		VLAN Routing	VLAN / Port Routing
IP Routing	Static Route	■	■
	RIP v1 / v2	■	■
	OSPFv2	■	■
	BGP4	■	■
Multicast Routing	IGMP	V1, V2, V3	V1, V2, V3
	DVMRP	■	■
	PIM-DM	■	■
	PIM-SM	■	-
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	8 Trunks / 8 Ports
	LACP	128 Trunks / 8 Ports	8 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
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	■	■
Policy-Base DiffServ		■	■

Layer3 24-Port SFP Managed Switches Comparison Chart

		PLANET	PLANET
Model name		XGS3-24242	WGS3-24240
Auto VoIP		■	-
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	-
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	-
IPv6 Management		■	-
SNMP	V1, V2c	■	■
	V3	■	■
	Trap	■	■
	RMON	4 Groups	4 Groups
Log		Logs, Syslog	-
DHCP Relay		■	-
DHCP Option 82		■	-
DHCP Server		IPv6 / IPv4	-
sFlow		■	-
Other Management		SNTP, LLDP, LLDP-MED	-
Physical			
AC Power		Internal 100~240V AC	Internal 100~240V AC
DC Power		-48V DC	-