





10-Port Gigabit Managed Switches Comparison Chart				
Brand	PLANET	PLANET	PLANET	PLANET
Model name	WGSD-10020(v1)	WGSD-10020(v2)	WGSD-10020HP(v2)	WGSD-10020HP(v3)
				
Feature	L2/L4 Full Managed	L2+ Full Managed	L2/L4 Full Managed	L2+ Full Managed
<b>Hardware and Interface</b>				
Flash	8MB	8MB	16MB	16MB
10/100/1000Base-T	8	8	8	8
1000BASE-SX/LX SFP Slots	2	2	2	2
100BASE-FX SFP Slots	Compatible	Compatible	Compatible	Compatible
Console	DB9 / RS-232	DB9 / RS-232	DB9 / RS-232	DB9 / RS-232
Switch Fabric	20Gbps / non-blocking	20Gbps / non-blocking	20Gbps / non-blocking	20Gbps / non-blocking
Jumbo Frame	9K Bytes	9K Bytes	9K Bytes	9K Bytes
<b>Layer 3 Functions</b>				
IP Interfaces	-	Max. 8 VLAN interfaces	-	Max. 8 VLAN interfaces
Routing Table	-	Max. 32 routing entries	-	Max. 32 routing entries
Routing Protocols	-	IPv4 software Static Routing IPv6 software Static Routing	-	IPv4 software Static Routing IPv6 software Static Routing
<b>Layer 2 Features</b>				
Bandwidth Control		In / Out	In / Out	In / Out
Link Aggregation	Static	5 Trunks / 10 Ports	5 Trunks / 10 Ports	5 Trunks / 10 Ports
	LACP	5 Trunks / 10 Ports	5 Trunks / 10 Ports	5 Trunks / 10 Ports
VLAN	802.1Q	■	■	■
	Port-Based	■	■	■
	Protocol-Based	■	■	■
	Q-in-Q	■	■	■
	MVRP	■	■	■
Private VLAN		■	■	■
Active VLAN (1q/port)		255	255	255
Spanning Tree		802.1D/1w/1s	802.1D/1w/1s	802.1D/1w/1s
STP BPDU Guard		■	■	■
BPDU Filtering		■	■	■
Loop Protection		-	-	-
<b>Multicast</b>				
IGMP Snooping		V1, V2, V3	V1, V2, V3	V1, V2, V3
IGMP Query mode		■	■	■
IGMP Filtering		■	■	■
MLD Snooping		■	■	■
MLD Filtering		■	■	■
Max. Multicast Groups		256	256	256
MVR		■	■	■
<b>QoS</b>				
QoS	L2 802.1p	■ / 8 queue	■ / 8 queue	■ / 8 queue
	L3 IP TOS / DSCP	■	■	■
	L4 TCP/UDP Port	■	■	■
	Strict / WRR	■ / ■	■ / ■	■ / ■
	DSCP Remarking	■	■	■
Policy-Based DiffServ		■	■	■
<b>Security</b>				
Authentication	802.1X Port-based	■	■	■
	MAC Based	■	■	■
ACL		L2 / L3 / L4	L2 / L3 / L4	L2 / L3 / L4
Port Security		■	■	■
IP / MAC Security		Static MAC / Binding	Static MAC / Binding	Static MAC / Binding
SSH / SSL		■ / ■	■ / ■	■ / ■
RADIUS		■	■	■
TACACS+		■	■	■
DHCP Snooping		■	■	■
IP Source Guard		■	■	■
ARP Inspection		■	■	■
DoS Protection		■	■	■
<b>Management</b>				
Management & Configuration		WEB, Telnet, Console	WEB, Telnet, Console	WEB, Telnet, Console
IPv6 Management		■	■	■
SNMP	V1, V2c	■	■	■
	V3	■	■	■
	Trap	■	■	■
DHCP Relay		■	■	■
Other Management		SNTP, LLDP	SNTP, LLDP	SNTP, LLDP
Cable Diagnostic		■	■	■
Power Saving	Link down detect	■	■	■
	Length detect	■	■	■
Dual Image		-	-	■
SFP DDM (Digital Diagnostic Monitor)		-	-	■
<b>Physical</b>				
Power		Internal 100~240V AC	Internal 100~240V AC	Internal 100~240V AC
Dimension		330 x 155 x 44	330 x 155 x 44	330 x 155 x 44
Fan		-	-	1
<b>PoE</b>				
PoE Standard		-	-	IEEE 802.3af / 802.3at
PoE Power Supply Type		-	-	End-Span
Power Pin Assignment		-	-	1/2 (+), 3/6 (-)
Max. Power Output		-	-	Per port 56V DC Max. 30.8 watts
PoE Power Budget		-	-	150 watts
PoE Management	Budget Control	■	■	■
	Over Temperature Protection	■	■	■
	PD Alive Check	■	■	■
	PoE Sechedule	■	■	■
	Schedule Power Recycling	■	■	■
PoE Sequential		-	-	■