




Brand	PLANET	Cisco	Netgear	
Model Name	GS-5220-8P2T2S	2960CX-8PC-L	M4100-D12G-POE+	
Outlook				
Feature	Managed	Managed	Managed	
Interface				
10/100/1000BASE-T	10	10	12	
100FX/1000SX/LX SFP Slots	2	2	4 (combo)	
802.3at PoE Ports	8	8	10	
802.3af PoE Ports	Compatible	Compatible	Compatible	
Console	1 x RS232 to RJ45	1 x RS232 to RJ45	RS232 and Min-USB	
Power over Ethernet				
PoE Standard	IEEE 802.3af/802.3at PoE/PSE	IEEE 802.3af/802.3at PoE/PSE	IEEE 802.3af/802.3at PoE/PSE	
PoE Power Supply Type	End-Span	End-Span	End-Span	
PoE Power Output	Per port 54V DC, Max. 30.8 Watts	??	??	
Power Pin Assignment	1/2(+), 3/6(-)	??	??	
PoE Power Budget	240 Watts Max.	124 Watts Max.	120 Watts Max.	
PD Alive Check	■	-	-	
PoE Schedule	■	-	-	
PoE PD Power Reboot Schedule	■	-	-	
Over Temperature Protection	■	-	-	
PoE Event Alarm	SNMP Trap/Syslog/e-Mail	-	-	
Layer 3 Features				
IP Interfaces	Max. 8 VLAN interfaces	-	Max. 64 interfaces	
Routing Table	Max. 32 routing entries	-	Max. 64 routing entries	
Routing Protocols	IPv4 software Static Routing IPv6 software Static Routing	-	IPv4 Static Routing	
Layer 2 Features				
Switch Fabric	24Gbps/non-blocking	24Gbps/non-blocking	24Gbps/non-blocking	
Switch Throughput	17.76Mpps@64Bytes	17.76Mpps@64Bytes	17.76Mpps@64Bytes	
MAC Address Table	8K Bytes	??	16K Bytes	
Jumbo Frame	9K Bytes	9K Bytes	9K Bytes	
Link Aggregator	6 Trunks/8 Ports	■	12 Trunks/8 Ports	
VLAN	Static	■	■	
	LACP	■	■	
	802.1Q	■	■	
	Port-based	■	■	
	Protocol-based	■	-	
	MAC-based	■	-	
	Q-in-Q	■	-	
	Voice VLAN	■	-	
MVR	■	■		
Private VLAN	■	■		
Active VLAN (1g/port)	255	255	1024	
Spanning Tree	802.1D/1w/1s	802.1D/1w/1s	802.1D/1w/1s	
STP BPDU Guard	■	■	■	
BPDU Filtering	■	■	-	
Port Mirror	■	■	■	
Multicast				
IGMP Snooping	V1, V2, V3	V1, V2, V3	V2, V3	
IGMP Query mode	■	■	■	
IGMP Filtering	■	■	■	
MLD Snooping	V1, V2	V1, V2	V1, V2	
MLD Filtering	■	-	■	
Max. Multicast Groups	255	??	1K	
QoS				
QoS	L2 802.1p	■/8 queue	■/8 queue	■/8 queue
	L3 IP TOS/DSCP	■	??	■
	L4 TCP/UDP Port	■	??	■
	Strict/WRR	■	-/-	■
	DSCP Remarking	■	??	■
In / Out Bandwidth Control	■	■	■	
Security				
Authentication	802.1X Port Based	■	■	■
	MAC Based	■	■	■
ACL	L2/L3/L4	■	■	■
Port Security	■	■	■	
IP/MAC Security	Static MAC/Binding	??	Static MAC/Binding	
SSH/SSL	■	■/-	■/■	
RADIUS	■	■	■	
TACACS+	■	■	■	
IP Source Guard	■	■	■	
ARP Inspection	■	■	■	
DHCP Snooping	■	■	■	
Management				
Management & Configuration	WEB, Telnet, Console	WEB, Telnet, Console	WEB, Telnet, Console	
IPv6 Management	■	■	■	
SNMP	V1, V2c	■	■	■
	V3	■	■	■
	Trap	■	■	■
	RMON	4 Groups	■	4 Groups
DHCP Relay	■	■	■	
SMTP Event Alarm	■	-	-	
Configuration Backup / Restore	■	■	■	
Other Management	NTP, LLDP	NTP, LLDP	NTP, LLDP	
Cable Diagnostic	■	-	■	
Power Saving	Link down detect	■	■	
	Length detect	■	■	
Dimension (W x D x H)	330 x 200 x 43.5 mm, 1U height	269 x 213 x 44.4mm, 1U height	331 x 208 x 43.2mm, 1U height	
Power Input Type	AC 100-240V, 50/60Hz	AC 100-240V, 50/60Hz	AC 100-240V, 50/60Hz	
Operating Temperature	0-50 degrees C	-5-45 degrees C	0-50 degrees C	
Storage Temperature	-10-70 degrees C	-25-70 degrees C	-20-70 degrees C	
Humidity	5% ~ 95% (non-condensing)	5% ~ 90% (non-condensing)	5% ~ 90% (non-condensing)	