



Brand	PLANET	MOXA	
Model name	IGS-12040MT	EDS-G512E-4GSFP-T	
Product Outlook			
Features	L2+ IPv4/IPv6 Managed Switch	L2/L4 IPv4/IPv6 Managed Switch	
Hardware Specifications			
10/100/1000Base-T Ports	8	8	
1000SX/LX SFP Slots	4	4	
100FX SFP Slots	Compatible	Compatible	
Enclosure	IP30 Aluminum	IP30 Aluminum	
Dimension (W x D x H)	72 x 107x 152 mm	79 x 137 x 135 mm	
Weight	1013g	1440g	
Power Requirement	12~72V DC or 24V AC, Redundant dual input	12/24/48V/-48 DC Redundant dual input	
Installation	DIN Rail Kit and Wall Mount kit	DIN Rail Kit and Wall Mount kit	
ESD / EFT Protection	6KV DC / 6KV DC	6KV DC / 6KV DC	
Operating Temperature	-40~75 degrees C	-40~75 degrees C	
Switch Specifications			
Switch Fabric	24Gbps	24Gbps	
Throughput (Packet per second)	17.85Mpps	17.85Mpps	
Jumbo Frame	9Kbytes	??	
MAC Table Size	8K	8K	
Storm Control	Multicast / Unknown-Unicast / Broadcast	??	
VLAN	802.1Q	■ / 255	■ / 256
	Q-in-Q	■	??
	Private VLAN	■	-
	Portocol-Based	■	-
	MAC-Based	■	-
	Voice VLAN	■	-
MVR	■	-	
Spanning Tree	802.1D/1w/1s	802.1D/1w/1s	
STP BPDU Guard	■	-	
BPDU Filtering	■	-	
Loop Detection	■	-	
Link Aggregation	Static	10 Trunks / 8 Ports	YES
	LACP	10 Trunks / 8 Ports	YES
Multicast			
IGMP Snooping	V1, V2, V3	V1, V2, V3	
IGMP Query mode	■	■	
IGMP Filtering	■	-	
MLD Snooping	■	-	
MLD Filtering	■	-	
Max. Multicast Groups	256	256	
MVR	■	-	
Layer 3 Features			
IP Interfaces	Max. 128 VLAN interfaces	-	
Routing Table	Max. 32 routing entries	-	
Routing Protocols	IPv4 software Static Routing IPv6 software Static Routing	-	
Quality of Service			
QoS	802.1p	■ / 8 queues	■ / 4 queues
	TOS / DSCP	■ / ■	■ / ■
	Strict / WRR	■ / ■	■ / ■
Policy-base DiffServ	■	■	
Security			
Authentication	802.1X Port Based	■	■
	MAC Based	■	■
ACL	L2 / L3 / L4	L2 / L3 / L4	
Port Security	■	■	
IP / MAC Security	Static MAC / Binding	-	

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SSH / SSL		■ / ■	■ / ■
RADIUS		■	■
TACACS+		■	■
DHCP Snooping		■	■
IP Source Guard		■	-
ARP Inspection		■	-
DoS Protection		■	-
Management			
SNMP	V1, V2c	■	■
	V3	■	■
	Trap	■	■
	RMON	4 Groups	4 Groups
Log		System log / Remote Syslog	Event log / Syslog
Management & Configuration		WEB, Telnet, SNMP	WEB, Telnet, SNMP
IPv6 Management		■	■
DHCP Relay / DHCP Option		■ / ■	- / ■
Other Management		NTP, LLDP	NTP, LLDP
Cable Diagnostic		■	-