Managed Switches Technicals

		500-7616GS8GC	500-7622GE2GC	500-7612GE2GS	500-7624FS4GC 500-7624FE4GC	500-7624FE2GC	500-7608FE1GC
Physical characteristics	100M Ports	✗	✗	✗	24	24	8
	1G Ports	✗	22	12	✗	✗	✗
	Combo ports	8	2		4 / 4	2	1
	SFP ports	16 x 1G	✗	2 x 1G	24 x 100M / -	✗	✗
	Rackmount	✓	✓	✓	✓	✓	optional
	Console Port	✓	✓	✓	✓	✓	✓
Performance	Switching fabric capacity	48 Gpbs non-blocking	48 Gbps non-blocking	28 Gbps non-blocking	12.8 Gpbs non-blocking	8.8 Gbps non-blocking	3.6 Gbps non-blocking
	MAC address table	8 K	8 K	8 K	16 K	16 K	8 K
	Memory Buffer		1,381 kBytes	340 kBytes	437.5 kBytes	437.5 kBytes	128 kBytes
	Packet Length	9 kBytes	9 kBytes	9 kBytes	9 kBytes	9 kBytes	1,632 kBytes
Standards	802.3 10BaseT	✓	✓	✓	✓	✓	✓
	802.3u 100BaseTx/Fx	✓	✓	✓	✓	✓	✓
	802.3ab 1000Base T	✓	✓	✓	✓	✓	✓
	802.3z 1000Base X	✓	✓	✓	✓	✓	✓
	802.3x Flow Control	✓	✓	✓	✓	✓	✓
	802.1d STP	✓	✓	✓	✓	✓	✓
	802.1w RSTP	✓	✓	✓	✓	✓	✗
	802.1s MSTP	✓	✗	✗	✗	✓	✗
	802.1p QoS	✓	✓	✓	✓	✓	✓
	802.1q Tag VLAN	✓	✓	✓	✓	✓	✓
	802.3ad LACP	✓	✓	✓	✓	✓	✗
	802.3ag CFM		Upgradable	✗	✗	✗	✗
	802.1x Port Based Authentication	✓	✓	✓	✓	✓	
	802.1ad VLAN Stacking		✓	✓	✓	✓	✓
Traffic management & QoS	Bandwidth Control	✓	✓	✓	✓	✓	✓
	Broadcast Storm Suppression	✓	✓	✓	✓	✓	✓
	IGMP Snooping	Y1,Y2	Y1,Y2	Y1,Y2	Y1,Y2	Y1,Y2	Y1,Y2
	IGMP Filtering	✓	✓	✗	✓	✓	✗
	IGMP Fast Leave	✓	✓	✗	✓	✓	✗
	MVR		✓	✗	✓	✓	✗
	QoS Priority Queues (Traffic Class)	✓	4	4	8	8	4
	Port Based QoS	✓	✓	✓	✓	✓	✓
	802.1p CoS	✓	✓	✓	✓	✓	✓
	IP ToS/DSCP	✓	✓	✓	✓	✓	✓
	Application QoS	✓	✓	✓	✓	✓	✓

Managed Switches Technicals

	500-7616GS8GC	500-7622GE2GC	500-7612GE2GS	500-7624FS4GC 500-7624FE4GC	500-7624FE2GC	500-7608FE1GC
Security & Authentication						
Port Based VLAN	✓	✓	✓	✓	✓	✓
802.1Q Tag Based VLAN		✓	✓	✓	✓	✓
Protocol VLAN	✓	✗	✗	✓	✓	✗
Q-in-Q	✓	✓	✓	✓	✓	✓
Q-in-Q TPID Selectable	✓	✗	✗	✓	✓	✓
VLAN ID	4094	4094	4094	4094	4094	4094
VLAN Groups	256	128	128	256	256	64
802.1X Port Based Network Access Control	✓	✓	✓	✓	✓	✗
RADIUS Authentication		✓	✓	✓	✓	✓
ACL (Access Control List)	✓	✓	✗	✓	✓	✗
DHCP Option 82		✓	✗	✓	✓	✗
Network Management & Maintenance						
Web Management	✓	✓	✓	✓	✓	✓
SNMP Management	✓	✓	✓	✓	✓	✓
Telnet	✓	✓	✓	✓	✓	✓
CLI	✓	✓	✗	✓	✓	✗
Out Band Console		✓	✓	✓	✓	✓
Port Mirroring	✓	✓	✓	✓	✓	✗
Support Power Down Trap Management	✓	✓	✓	✓	✓	✓
Dual Image	✗	✗	✗	✗	✓	✗
Dual Configuration	✗	✗	✗	✗	✓	✗
NVRAM to Store the Event Log	✗	✗	✗	✗	✓	✗
Support Private, RFC-1213, RMON (Group 1,2,3,9) IBs		✓	✓	✓	✓	✓
Support DHCP Client		✓	✓	✓	✓	✓
Support DHCP Auto Provisioning		✓	✓	✓	✓	✓
Support SNTP Time Server	✓	✓	✓	✓	✓	✓
Fiber Redundancy	✗	✗	✗	✗	✓	✗
Support FTP, TFTP Server and Client Firmware Upgrade		✓	✓	✓	✓	✓
SFP-8472 Diagnostic Monitoring Interface	✗	✓	✗	✓	✓	✓
Others						
Dimension (HxDxW) (mm)	440 × 205 × 44	240 × 200 × 44	240 × 155 × 34	440 × 205 × 44	240 × 200 × 44	245 × 160 × 34
Weight	3.1 kg	1.9 kg	1.1 kg	3.1 kg / 2.9 kg	1.9 kg	0.57 kg
Power Consumption	24 W	35 W	15 W	24 W / 19 W	15 W	6.12 W
Operating Temperature (°C)	0 – 50	0 – 50	0 – 50	0 – 50	0 – 50	0 – 50
Storage Temperature (°C)	-20 – 60	-20 – 60	-20 – 60	-20 – 60	-20 – 60	-20 – 60
Humidity	5-90%	5-90%	5-90%	5-90%	5-90%	5-90%

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