

Heat Dissipation	352.63 BTU/hr	857.98 BTU/hr	1552.32 BTU/hr
Power Input	AC Input: 100 to 240 V AC, 50/60 Hz		
Maximum Power Consumption	103.4 W (PoE on) 17.9 W (PoE off)	251.5 W (PoE on) 28.7 W (PoE off)	445 W (PoE on) 35.6 W (PoE off)
Maximum PoE Budget	78 W	193 W	370 W
Standby Power Consumption	10.3 W/100 V 11.1 W/240 V	18.4 W/100 V 16.1 W/240 V	23.5 W/100 V 21.8 W/240 V
Dimensions (W x D x H)	280 x 180 x 44 mm	440 x 210 x 44 mm	440 x 250 x 44 mm
Ventilation	Fanless	2 x Smart fans	3 x Smart fans
Weight	1.92 kg	3.34 kg	3.96 kg
Power Surge Protection	All Gigabit Ethernet ports support IEC 61000-4-5 surge protection		
Operating Temperature	-5 to 50 °C (23 to 122 °F)		
Storage Temperature	-40 to 70 °C (-40 to 158 °F)		
Operating Humidity	10% to 90% non-condensing		
Storage Humidity	5% to 90% non-condensing		
EMI	FCC class A, CE class A, VCCI, BSMI, CCC		
Safety Certifications	CE, LVD, UL, CB		

Technical Specifications

Model Number	DGS-1210-52P/ME	DGS-1210-52MP/ME	DGS-1210-52MPP/ME
Hardware Version	B1	B1	B1
Interface			
Size	<ul style="list-style-type: none"> • 19-inch standard rack-mount width • 1U height 	<ul style="list-style-type: none"> • 19-inch standard rack-mount width • 1U height 	<ul style="list-style-type: none"> • 19-inch standard rack-mount width • 1U height
Interfaces	<ul style="list-style-type: none"> • 24 10/100/1000BASE-T PoE • 24 10/100/1000BASE-T • 4 1G SFP 	<ul style="list-style-type: none"> • 48 10/100/1000BASE-T PoE • 4 1G SFP 	<ul style="list-style-type: none"> • 48 10/100/1000BASE-T PoE • 4 1G SFP
Port Standards & Functions	<ul style="list-style-type: none"> • Ports 1 to 8 compliant with IEEE 802.3at • Ports 9 to 24 compliant with IEEE 802.3af 	<ul style="list-style-type: none"> • Ports 1 to 8 compliant with IEEE 802.3at • Ports 9 to 48 compliant with IEEE 802.3af 	<ul style="list-style-type: none"> • Ports 1 to 48 compliant with IEEE 802.3at
Console Port	<ul style="list-style-type: none"> • RJ-45 console port 		
Other Port Standards & Functions	<ul style="list-style-type: none"> • IEEE 802.3i 10BASE-T Ethernet (twisted-pair copper) • IEEE 802.3u 100BASE-TX Fast Ethernet (twisted-pair copper) • IEEE 802.3ab 1000BASE-T Gigabit Ethernet (twisted-pair copper) <ul style="list-style-type: none"> • IEEE 802.3az compliance <ul style="list-style-type: none"> • Auto-negotiation • IEEE 802.3x Flow Control • IEEE 802.3z 1000BASE-X Gigabit Fiber 		
Network Cables	<ul style="list-style-type: none"> • UTP Cat. 5, Cat. 5e (100 m max.) 		
Full/Half-Duplex	<ul style="list-style-type: none"> • Full/half-duplex for 10/100 Mbps speeds • Full-duplex for 1000 Mbps speed 		
Media Interface Exchange	<ul style="list-style-type: none"> • Auto MDI/MDIX adjustment for all twisted-pair ports 		

Performance			
Switching Capacity	104 Gbps		
Forwarding Method	Store-and-forward		
MAC Address Table Size	16K entries		
MAC Address Update	Up to 256 static MAC entries		
64-byte Max. Forwarding Rate	77.4 Mpps		
CPU Memory	256 MB DDR3		
Packet Buffer	3.0 MB		
Flash Memory	32 MB		
LEDs			
Power (per device)	✓	✓	✓
Console (per device)	✓	✓	✓
Link/Active/Speed (per port)	✓	✓	✓
Fan Error	✓	✓	✓
Physical/Environmental			
MTBF	289,151 hours	272,910 hours	265,457 hours
Acoustic	High speed: 47.3 dB(A) Low speed: 37.8 dB(A)	High speed: 50.1 dB(A) Low speed: 40.4 dB(A)	High Speed: 55.2 dB(A) Low Speed: 49.3 dB(A)
Heat Dissipation	932.23 BTU/hr	1636.16 BTU/hr	3268.46 BTU/hr
Power Input	AC Input: 100 to 240 V AC, 50/60 Hz		
Maximum Power Consumption	273.2 W (PoE on) 47.9 W (PoE off)	479.5 W (PoE on) 54.4 W (PoE off)	957.9 W (PoE on) 56.8 W (PoE off)
Maximum PoE Budget	193 W	370 W	740 W
Standby Power Consumption	32 W/100 V 30.1 W/240 V	33 W/100 V 31.6 W/240 V	37.8 W/100 V 35.9 W/240 V
Dimensions (W x D x H)	440 x 430 x 44 mm	440 x 430 x 44 mm	440 x 431 x 44 mm
Ventilation	2 x Smart fans	3 x Smart fans	5 x Smart fans
Weight	5.72 kg	6.04 kg	6.52 kg
Power Surge Protection	All Gigabit Ethernet ports support IEC 61000-4-5 surge protection		
Operating Temperature	-5 to 50 °C (23 to 122 °F)		
Storage Temperature	-40 to 70 °C (-40 to 158 °F)		
Operating Humidity	10% to 90% non-condensing		
Storage Humidity	5% to 90% non-condensing		
EMI	FCC class A, CE class A, VCCI, BSMI, CCC		
Safety Certifications	CE, LVD, UL, CB		

Technical Specifications				
Model Number	DGS-1210-10/ME	DGS-1210-20/ME	DGS-1210-28/ME	DGS-1210-52/ME
Hardware Version	B1	B1	B1	B1
Interface				
Size	<ul style="list-style-type: none"> • 11-inch standard rack-mount width • 1U height 	<ul style="list-style-type: none"> • 11-inch standard rack-mount width • 1U height 	<ul style="list-style-type: none"> • 19-inch standard rack-mount width • 1U height 	<ul style="list-style-type: none"> • 19-inch standard rack-mount width • 1U height
Interfaces	<ul style="list-style-type: none"> • 8 10/100/1000BASE-T • 2 1G SFP 	<ul style="list-style-type: none"> • 16 10/100/1000BASE-T • 4 1G SFP 	<ul style="list-style-type: none"> • 24 10/100/1000BASE-T • 4 1G SFP 	<ul style="list-style-type: none"> • 48 10/100/1000BASE-T • 4 1G SFP
Console Port	RJ-45 console port			
Other Port Standards & Functions	<ul style="list-style-type: none"> • IEEE 802.3i 10BASE-T Ethernet (twisted-pair copper) • IEEE 802.3u 100BASE-TX Fast Ethernet (twisted-pair copper) • IEEE 802.3ab 1000BASE-T Gigabit Ethernet (twisted-pair copper) <ul style="list-style-type: none"> • IEEE 802.3az compliance • Auto-negotiation • IEEE 802.3x Flow Control • IEEE 802.3z 1000BASE-X Gigabit Fiber 			
Network Cables	<ul style="list-style-type: none"> • UTP Cat. 5, Cat. 5e (100 m max.) 			
Full/Half-Duplex	<ul style="list-style-type: none"> • Full/half-duplex for 10/100 Mbps speeds • Full-duplex for 1000 Mbps speed 			
Media Interface Exchange	<ul style="list-style-type: none"> • Auto MDI/MDIX adjustment for all twisted-pair ports 			
Performance				
Switching Capacity	20 Gbps	40 Gbps	56 Gbps	104 Gbps
64-byte Max. Forwarding Rate	14.88 Mpps	29.80 Mpps	41.7 Mpps	77.4 Mpps
MAC Address Table Size	16K entries			
CPU Memory	256 MB DDR3			
Packet Buffer	1.5 MB	1.5 MB	1.5 MB	3.0 MB
Flash Memory	32 MB			
LEDs				
Power (per device)	✓	✓	✓	✓
Console (per device)	✓	✓	✓	✓
Link/Active/Speed (per port)	✓	✓	✓	✓
Fan Error				✓
Physical/Environmental				
MTBF	412,956 hours	349,836 hours	497,918 hours	381,999 hours
Acoustic	0 dB(A)	0 dB(A)	0 dB(A)	High speed: 49 dB(A) Low speed: 40 dB(A)
Heat Dissipation	46.35 BTU/hr	47.67 BTU/hr	60.12 BTU/hr	132.08 BTU/hr
Power Input	AC Input: 100 to 240 V AC, 50/60 Hz			
Optional 54 W AC to DC PSU	<ul style="list-style-type: none"> • Output: 12.4 V/3.7 A (min 11.78 V & max 13.02 V); 13.6 V/0.6 A (min 13.40 V & max 13.80 V) • Charging output for lead-acid battery: 13.6 V +/- 1.5%; charge current 0.6 A +/- 0.1 A 			

Battery Connection Input	<ul style="list-style-type: none"> • Rear RPS socket for connecting external lead-acid batteries • Battery status monitoring through CLI or SNMP 			
Maximum Power Consumption	13.38 W/100 V 13.59 W/240 V	13.81 W/100 V 13.97 W/240 V	19.05 W/100 V 19.14 W/240 V	38.85 W/100 V 38.35 W/240 V
Standby Power Consumption	9.3 W/100 V 9.4 W/240 V	6.76 W/100 V 6.95 W/240 V	7.87 W/100 V 8.21 W/240 V	21.72 W/100 V 21.49 W/240 V
Dimensions (W x D x H)	280 x 126 x 44 mm	280 x 180 x 44 mm	440 x 140 x 44 mm	440 x 210 x 44 mm
Ventilation	Fanless	Fanless	Fanless	1 x Smart fan
Weight	1.05 kg	1.38 kg	2.21 kg	3.31 kg
Power Surge Protection	All Gigabit Ethernet ports support IEC 61000-4-5 surge protection			
Operating Temperature	-5 to 50 °C (23 to 122 °F)			
Storage Temperature	-40 to 70 °C (-40 to 158 °F)			
Operating Humidity	10% to 90% non-condensing			
Storage Humidity	5% to 90% non-condensing			
EMI	FCC class A, CE class A, VCCI, BSMI, CCC			
Safety Certifications	CE, LVD, UL, CB			

Technical Specifications

Model Number	DGS-1210-12TS/ME	DGS-1210-28X/ME	DGS-1210-28XS/ME
Hardware Version	B1	B1	B1
Interface			
Size	<ul style="list-style-type: none"> • 11-inch standard rack-mount width • 1U height 	<ul style="list-style-type: none"> • 19-inch standard rack-mount width • 1U height 	<ul style="list-style-type: none"> • 19-inch standard rack-mount width • 1U height
Interfaces	<ul style="list-style-type: none"> • 10 1G SFP • 2 10/100/1000BASE-T 	<ul style="list-style-type: none"> • 24 10/100/1000BASE-T • 4 10G SFP+ 	<ul style="list-style-type: none"> • 24 100/1000 Mbps SFP • 4 10G SFP+
Console Port	RJ-45 console port		
Other Port Standards & Functions	<ul style="list-style-type: none"> • IEEE 802.3i 10BASE-T Ethernet (twisted-pair copper) • IEEE 802.3u 100BASE-TX Fast Ethernet (twisted-pair copper) • IEEE 802.3ab 1000BASE-T Gigabit Ethernet (twisted-pair copper) <ul style="list-style-type: none"> • IEEE 802.3az compliance • Auto-negotiation • IEEE 802.3x Flow Control • IEEE 802.3ae 10 Gigabit Ethernet (for 28X/ME, 28XS/ME) <ul style="list-style-type: none"> • IEEE 802.3u 100BASE-FX (for 28XS/ME) • IEEE 802.3z 1000BASE-X Gigabit Fiber (for 28XS/ME, 12TS/ME) 		
Network Cables	<ul style="list-style-type: none"> • UTP Cat. 5, Cat. 5e (100 m max.) 		
Full/Half-Duplex	<ul style="list-style-type: none"> • Full/half-duplex for 10/100 Mbps speeds • Full-duplex for 1000 Mbps speeds 		
Media Interface Exchange	<ul style="list-style-type: none"> • Auto MDI/MDIX adjustment for all twisted-pair ports 		
Performance			
Switching Capacity	24 Gbps	128 Gbps	128 Gbps
64-byte Max. Forwarding Rate	17.86 Mpps	95.24 Mpps	95.24 Mpps