Comparison of GV-POE Switches (Simplified Version)

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A. GV-POE04xx and GV-APOE04xx

Features \ Models		GV-POE0400-V2	GV-APOE0400	GV-POE0410-E	GV-POE0410-E-V2	GV-APOE0410-E
						
Layer Supported		L2	L2	L2	L2	L2
PSE / PoE Ports	**10/100 BaseTX**	4	4	N/A	N/A	N/A
	10/100/1000 BaseTX	N/A	N/A	4	4	4
Gigabit Uplink Ports		1 (10/100BaseTX only)	2 (10/100BaseTX only)	N/A	N/A	N/A
SFP Ports		N/A	N/A	1	2	2
Combo Ports		N/A	N/A	N/A	N/A	N/A
Total Ports		5	6	5	6	6
PoE Power Budget		62 W	60 W	120 W	120 W	120 W
PoE Mode		Mode B	Mode A	Mode A: Ports 2, 4 Mode B: Ports 1, 3	Mode A: Ports 2, 4 Mode B: Ports 1, 3	Mode A
Long Distance Network Cable Support		No	Up to 250 m (820 ft) [2]	No	No	Up to 250 m (820 ft) [2]
Dimensions (H x W x D)		24 x 130 x 98 mm (0.9'' x 5.1'' x 3.9'')	32 x 168 x 94 mm (1.26" x 6.61" x 3.70")	120 x 55 x 108 mm (4.72" x 2.16" x 4.25")	120 x 55 x 108 mm (4.72" x 2.16" x 4.25")	110 x 90 x 46 mm (4.3" x 3.5" x 1.8")
Weight		0.76 kg (1.68 lb)	0.5 kg (1.10 lb)	0.7 kg (1.54 lb)	0.62 kg (1.37 lb)	0.62 kg (1.37 lb)
Operating Temperature		0°C ~ 40°C (32°F ~ 104°F)	0°C ~ 40°C (32°F ~ 104°F)	-40 °C ~ 70 °C (-40 °F ~ 158 °F)	-40 °C ~ 75 °C (-40 °F ~ 167 °F)	-40 °C ~ 75 °C (-40 °F ~ 167 °F)
Web Management		No	No	No	No	No
Surge Protection		No	Yes [1]	Yes [1]	Yes [1]	Yes [1]
Redundant Power Supply		No	No	Yes	Yes	Yes

B. GV-POE08xx and GV-APOE08xx

Models / Features		GV-POE0800	GV-POE0801	GV-POE0810	GV-APOE0810
					
Layer Supported		L2	L2	L2	L2
PSE / PoE Ports	10/100 BaseTX	8	8	N/A	N/A
	10/100/1000 BaseTX	N/A	N/A	8	8
Gigabit Uplink Ports		N/A	1	N/A	2
SFP Ports		N/A	1	N/A	N/A
Combo Ports		N/A	N/A	N/A	N/A
Total Ports		8	10	8	10
PoE Power Budget		126 W	119 W	122 W	120 W
PoE Mode		Mode A	Mode B	Mode A: Ports 2, 4, 6, 8 Mode B: Ports 1, 3, 5, 7	Mode A
IPv6 Support		No	No	No	No
Long Distance Network Cable Support		No	No	No	Up to 250 m (820 ft) [2]
Dimensions (H x W x D)		44 x 266 x 160 mm (1.7'' x 10.5'' x 6.3'')	44 x 266 x 160 mm (1.7'' x 10.5'' x 6.3'')	44 x 266 x 161 mm (1.7" x 10.5" x 6.3")	44 x 220 x 150 mm (1.73" x 8.66" x 5.91")
Weight		1.6 kg (3.53 lb)	1.8 kg (3.97 lb)	1.5 kg (3.3 lb)	1.24 kg (2.73 lb)
Operating Temperature		0°C ~ 45°C (32°F ~ 113°F)	0°C ~ 45°C (32°F ~ 113°F)	0°C ~ 40°C (32°F ~ 104°F)	0°C ~ 40°C (32°F ~ 104°F)
Web Management		No	Web-Smart Management	No	No
Surge Protection		No	No	No	Yes [1]
Redundant Power Supply		No	No	No	No

Models / Features		GV-APOE0810-V2	GV-APOE0811	GV-APOE0811-V2
				
Layer Supported		L2	L2	L2
PSE / PoE Ports	10/100BaseTX	N/A	N/A	N/A
	10/100/1000BaseTX	8	8	8
Gigabit Uplink Ports		2	N/A	N/A
SFP Ports		N/A	2	2
Combo Ports		N/A	N/A	N/A
Total Ports		10	10	10
PoE Power Budget		120 W	140 W	140 W
PoE Mode		Mode A	Mode A	Mode A
IPv6 Support		No	Yes	Yes
Long Distance Network Cable Support		Up to 250 m (820 ft) [2]	Up to 250 m (820 ft) [2]	Up to 250 m (820 ft) [2]
Dimensions (H x W x D)		44 x 220 x 150 mm (1.73” x 8.66” x 5.91”)	280 x 180 x 44 mm (11.02” x 7.08” x 1.73”)	280 x 180 x 44 mm (11.02” x 7.08” x 1.73”)
Weight		1.24 kg (2.73 lb)	1.68 kg (3.7 lb)	1.68 kg (3.7 lb)
Operating Temperature		0°C ~ 40°C (32°F ~ 104°F)	0°C ~ 40°C (32°F ~ 104°F)	0°C ~ 40°C (32°F ~ 104°F)
Web Management		No	Web-Smart Management	Web-Smart Management
Surge Protection		Yes [1]	Yes [1]	Yes [1]
Redundant Power Supply		No	No	No

Models / Features		GV-APOE081C	GV-POE0811-V2	GV-POE0812
				
Layer Supported		Easy Web Smart	L2	L2+ (DHCP Server, Static Routing)
PSE / PoE Ports	**10/100 BaseTX**	N/A	N/A	N/A
	10/100/1000 BaseTX	8	8	8
Gigabit Uplink Ports		N/A	1	N/A
SFP Ports		2	1	N/A
Combo Ports		N/A	N/A	2
Total Ports		10	10	10
PoE Power Budget		120 W	118 W	119 W
PoE Mode		Mode A	Mode A	Mode B
IPv6 Support		No	No	Yes
Long Distance Network Cable Support		Up to 250 m (820 ft) [2]	No	No
Dimensions (H x W x D)		220 x 150 x 44 mm (8.66” x 5.9” x 1.73”)	44 x 266 x 161 mm (1.73” x 10.47” x 6.33”)	44 x 330 x 210 mm (1.73” x 12.99” x 8.27”)
Weight		1.23 kg (3.35 lb)	1.8 kg (3.96 lb)	2.5 kg (5.51 lb)
Operating Temperature		0°C ~ 40°C (32°F ~ 104°F)	0°C ~ 50°C (32°F ~ 122°F)	0°C ~ 40°C (32°F ~ 104°F)
Web Management		Web-Smart Management	Web-Smart Management	Fully Managed with L2+
Surge Protection		Yes [1]	No	Yes [1]
Redundant Power Supply		No	No	No

Features \ Models		GV-APOE0812	GV-APOE0812-E
			
Layer Supported		L2+ (DHCP Server, Static Routing, Static ARP)	L2+ (DHCP Server, Static Routing, Static ARP)
PSE / PoE Ports	**10/100 BaseTX**	N/A	N/A
	10/100/1000 BaseTX	8	8
Gigabit Uplink Ports		N/A	2
SFP Ports		2	2
Combo Ports		N/A	N/A
Total Ports		10	12
PoE Power Budget		140 W	240 W
PoE Mode		Mode A	Mode A
IPv6 Support		Yes	Yes
Long Distance Network Cable Support		Up to 250 m (820 ft) [2]	Up to 250 m (820 ft) [2]
Dimensions (H x W x D)		44 x 280 x 180 mm (1.73” x 11.02” x 7.08”)	50 x 171 x 120 mm (1.97” x 6.73” x 4.72”)
Weight		1.68 kg (3.7 lb)	1.024 kg (2.26 lb)
Operating Temperature		0°C ~ 40°C (32°F ~ 104°F)	-40°C ~ 75°C (-40°F ~ 167°F)
Web Management		Fully Managed with L2+	Fully Managed with L2+
Surge Protection		Yes [1]	Yes [1]
Redundant Power Supply		No	No

C. GV-POE16xx and GV-APOE16xx

Features \ Models	GV-POE1601-V2	GV-POE1611-V2	GV-APOE1611
			
Layer Supported	L2	L2	L2
PSE / PoE Ports 10/100BaseTX	16	N/A	N/A
PSE / PoE Ports 10/100/1000BaseTX	N/A	16	16
Gigabit Uplink Ports	N/A	N/A	N/A
SFP Ports	N/A	N/A	2
Combo Ports	2	4 (Port 1~4)	N/A
Total Ports	18	20	18
PoE Power Budget	235 W	227 W	300 W
PoE Mode	Mode B	Mode A	Mode A
Long Distance Network Cable Support	No	No	Up to 250 m (820 ft) [2]
Dimensions (H x W x D)	44 x 440 x 220 mm (1.73” x 17.32” x 8.66”)	44 x 440 x 331 mm (1.7’’ x 17.3’’ x 13’’)	45 x 441 x 226 mm (1.77” x 17.3” x 8.89”)
Weight	3.3 kg (7.27 lb)	4.6 kg (10.14 lb)	4.38 kg (9.65 lb)
Operating Temperature	0°C ~ 40°C (32°F ~ 104°F)	0°C ~ 40°C (32°F ~ 104°F)	0°C ~ 40°C (32°F ~ 104°F)
Web Management	Web-Smart Management	Web-Smart Management	Web-Smart Management
Surge Protection	No	No	Yes [1]
Redundant Power Supply	No	No	No

Features \ Models	GV-APOE1611-V2	GV-APOE161C	GV-APOE1612
			
Layer Supported	L2	Easy Web Smart	L2+ (DHCP Server, Static Routing, Static ARP)
PSE / PoE Ports **10/100BaseTX**	N/A	N/A	N/A
PSE / PoE Ports **10/100/1000BaseTX**	16	16	16
Gigabit Uplink Ports	N/A	N/A	N/A
SFP Ports	2	2	2
Combo Ports	2 (Port 17~18)	N/A	2
Total Ports	20	18	20
PoE Power Budget	250 W	250 W	250 W
PoE Mode	Mode A	Mode A	Mode A
Long Distance Network Cable Support	Up to 250 m (820 ft) [2]	Up to 250 m (820 ft) [2]	Up to 250 m (820 ft) [2]
Dimensions (H x W x D)	44 x 440 x 207 mm (1.73” x 17.32” x 8.14”)	44 x 440 × 207 mm (1.73” x 17.32” x 8.14”)	44 x 440 x 207 mm (1.73” x 17.32” x 8.14”)
Weight	2.56 kg (5.64 lb)	3.2 kg (7.05 lb)	2.56 kg (5.64 lb)
Operating Temperature	0°C ~ 40°C (32°F ~ 104°F)	0°C ~ 40°C (32°F ~ 104°F)	0°C ~ 40°C (32°F ~ 104°F)
Web Management	Web-Smart Management	Web-Smart Management	Fully Managed with L2+
Surge Protection	Yes [1]	Yes [1]	Yes [1]
Redundant Power Supply	No	No	No

D. GV-POE48xx, GV-POE24xx, and GV-APOE24xx

Features \ Models		GV-APOE4813	GV-POE2401-V2	GV-POE2411-V2
				
Layer Supported		L3	L2	L2
PSE / PoE Ports	10/100BaseTX	N/A	24	N/A
	10/100/1000BaseTX	48	N/A	24
Gigabit Uplink Ports		N/A	N/A	N/A
SFP Ports		6 (SFP+ Ports)	N/A	N/A
Combo Ports		N/A	2	4 (Port 1~4)
Total Ports		54	26	28
PoE Power Budget		500 W (1706 BTU) & 600 W (2047 BTU)	480 W	474 W
PoE Mode		Mode A	Mode B	Mode A
Long Distance Network Cable Support		Up to 250 m (820 ft) [2]	No	No
Dimensions (H x W x D)		44 x 330 x 440 mm (1.73” x 12.9” x 17.32”)	44 x 440 x 332 mm (1.7’’ x 17.3’’ x 13.1’’)	44 x 440 x 331 mm (1.7’’ x 17.3’’ x 13’’)
Weight		5.6 kg (12.35 lb)	4.2 kg (9.26 lb)	4.7 kg (10.36 lb)
Operating Temperature		0°C ~ 40°C (32°F ~ 104°F)	0°C ~ 40°C (32°F ~ 104°F)	0°C ~ 40°C (32°F ~ 104°F)
Web Management		Web-Smart Management	Web-Smart Management	Web-Smart Management
Surge Protection		Yes [1]	No	No
Redundant Power Supply		No	No	No

Features \ Models		GV-APOE2411	GV-APOE2411-V2	GV-APOE241C	GV-APOE2412
					
Layer Supported		L2	L2	Easy Web Smart	L2+ (DHCP Server, Static Routing, Static ARP)
PSE / PoE Ports	**10/100 BaseTX**	N/A	N/A	N/A	N/A
	10/100/1000 BaseTX	24	24	24	24
Gigabit Uplink Ports		N/A	N/A	2	N/A
SFP Ports		4	2	2	2
Combo Ports		N/A	2 (Port 25~26)	N/A	2
Total Ports		28	28	28	28
PoE Power Budget		380 W	370 W	250 W	370 W
PoE Mode		Mode A	Mode A	Mode A	Mode A
Long Distance Network Cable Support		Up to 250 m (820 ft) [2]	Up to 250 m (820 ft) [2]	Up to 250 m (820 ft) [2]	Up to 250 m (820 ft) [2]
Dimensions (H x W x D)		45 x 441 x 226 mm (1.77” x 17.3” x 8.89”)	44 x 440 x 207 mm (1.73” x 17.32” x 8.14”)	44 x 440 × 207 mm (1.73” x 17.32” x 8.14")	44 x 440 × 207 mm (1.73” x 17.32” x 8.14”)
Weight		4.62 kg (10.1 lb)	3.32 kg (7.31 lb)	3.2 kg (7.05 lb)	3.32 kg (7.32 lb)
Operating Temperature		0°C ~ 40°C (32°F ~ 104°F)	0°C ~ 40°C (32°F ~ 104°F)	0°C ~ 40°C (32°F ~ 104°F)	0°C ~ 40°C (32°F ~ 104°F)
Web Management		Web-Smart Management	Web-Smart Management	Web-Smart Management	Fully Managed with L2+
Surge Protection		Yes [1]	Yes [1]	Yes [1]	Yes [1]
Redundant Power Supply		No	No	No	No

Note:

1. The PoE switch passed the surge protection test complaint with IEC 61000-4-5 (Surge) Lv.5.
2. With the PoE switch, when using long-distance network cables of up to 250 m (820 ft), its transfer rate will be reduced to 10 Mbps.
3. For the following PoE switches, only one port per group can be used at a time for Gigabit RJ-45 and SFP connections:
    a. **GV-POE1601-V2** (Group 1: 17TX / 17FX; Group 2: 18TX / 18FX)
    b. **GV-POE2401-V2** (Group 1: 25TX / 25FX; Group 2: 26TX / 26FX)
    c. **GV-APOE1611-V2 / 1612** (Group 1: 17T / 17S; Group 2: 18T / 18S)
    d. **GV-APOE2411-V2 / 2412** (Group 1: 25T / 25S; Group 2: 26T / 26S)
4. With **GV-POE1611-V2 / 2411-V2**, when any RJ-45 port (1–4) is connected, the corresponding SFP port (F1–F4) cannot be used.
5. Specifications are subject to change without notice.