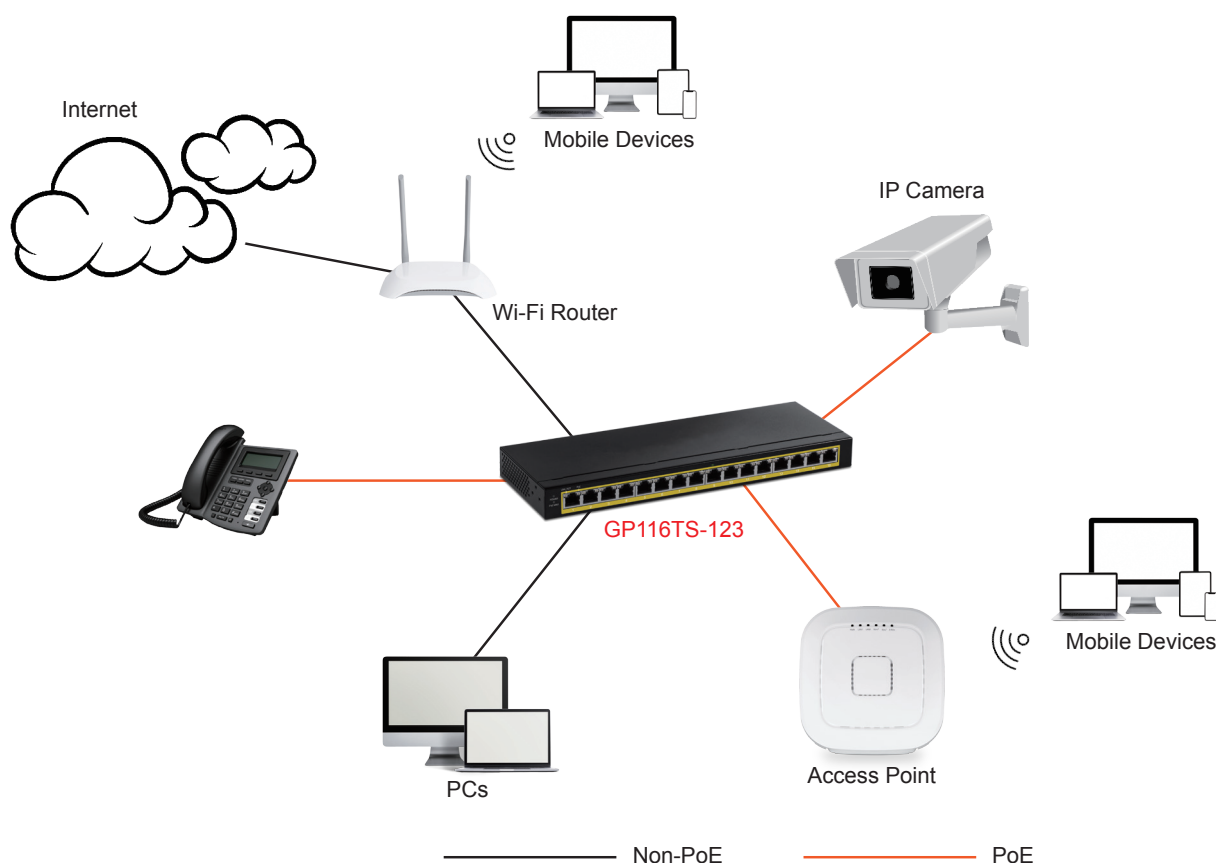


Features

- Plug-and-play no setup required
- Auto MDI/MDIX for each port
- Back pressure flow control for half-duplex
- IEEE802.3x Flow Control supports for Full Duplex
- Extensive front-panel diagnostic LEDs
- Store-and-Forward switching method
- Supports Jumbo Frame
- Non-blocking switching architecture for maximum throughput at wire speed
- Embedded Packet Buffer Memory for Performance Improvement
- IEEE 802.3af and IEEE 802.3at Power Over Ethernet (PoE) for IP Cameras, IP Phones and Wireless APs



Application





Hardware Specifications

Interface	FP108TS-30	GP105TS-31	GP108TS-61	GP108TS-123
Fast Ethernet	8	--	--	--
Gigabit Ethernet	--	5	8	8
PoE Port	4	4	8	8
Performance				
Switching Capacity	1.6 Gbps	10 Gbps	16 Gbps	16 Gbps
MAC Address Table Size	2K	8K	8K	8K
Packet Buffer Memory	96KB	128KB	128KB	128KB
Jumbo Frame Size	--	9KB	9KB	9KB
Forwarding Rate (64-byte)/Port	0.1488 Mpps	1.488 Mpps	1.488 Mpps	1.488 Mpps
Auto MDI/MDI-X	Yes	Yes	Yes	Yes
PoE Specifications				
802.3af PoE Ports	Port 1~4	Port 1~4	Port 1~8	Port 1~8
802.3at PoE+ Ports	--	Port 1~4	Port 1~8	Port 1~8
PoE Maximum Power Per Port	15.4W	30W	30W	30W
Total PoE Power Budget	30W	31W	61W	123W
LED				
Per Device	Power, PoE MAX Link/Activity PoE Power (1-4)	Power, PoE MAX Link/Activity PoE Power (1-4)	Power, PoE MAX Link/Activity PoE Power	Power, PoE MAX Link/Activity PoE Power
Per Port				
Energy Efficiency				
Green Ethernet (EEE, 802.3az)	Yes	Yes	Yes	Yes
FAN/Fanless	Fanless	Fanless	Fanless	Fanless
Physical Specifications				
Enclosure Form Factor	Slim	Slim	Slim	Slim
Material	Metal	Metal	Metal	Metal
Dimensions (W x D x H mm)	150 x 96 x 28	148 x 95 x 28	150 x 95 x 30	150 x 96 x 28
Weight	370 g	366 g	400 g	400 g
Environmental Specifications				
Operating Temperature	0° – 40° C	0° – 40° C	0° – 40° C	0° – 40° C
Operating Humidity (non-condensing)	90% Max.	90% Max.	90% Max.	90% Max.
EMC				
EMC Certifications	FCC/CE	FCC/CE	FCC/CE	FCC/CE
Safety				
Safety Certifications	LVD	LVD	LVD	LVD
Power				
Power In	External 48VDC/0.8A AC Adapter	External 48VDC/0.8A AC Adapter	External 54VDC/1.67A AC Adapter	External 54VDC/2.77A AC Adapter
Maximum Power Consumption	2.1 W (No PoE)	3.5 W (No PoE)	5.3 W (No PoE)	5.3 W (No PoE)
IEEE Network Protocols				
IEEE 802.3 10BASE-T Ethernet	✓	✓	✓	✓
IEEE 802.3u 100BASE-TX Fast Ethernet	✓	✓	✓	✓
IEEE 802.3ab 1000BASE-T Gigabit Ethernet	--	✓	✓	✓
IEEE 802.3x Flow Control	✓	✓	✓	✓
IEEE 802.3az Energy Efficiency Ethernet	✓	✓	✓	✓
IEEE 802.3af PoE	✓	✓	✓	✓
IEEE 802.3at PoE+	--	✓	✓	✓

*Specifications are subject to change without notice



Hardware Specifications

Interface	GP116TS-123	GP116TR-246	GP124TR-370
Fast Ethernet	--	--	--
Gigabit Ethernet	16	16	24
PoE Port	16	16	24
Performance			
Switching Capacity	32 Gbps	32 Gbps	48 Gbps
MAC Address Table Size	8K	8K	8K
Packet Buffer Memory	512KB	512KB	512KB
Jumbo Frame Size	10KB	10KB	10KB
Forwarding Rate (64-byte)/Port	1.488 Mpps	1.488 Mpps	1.488 Mpps
Auto MDI/MDI-X	Yes	Yes	Yes
PoE Specifications			
802.3af PoE Ports	Port 1~16	Port 1~16	Port 1~24
802.3at PoE+ Ports	Port 1~16	Port 1~16	Port 1~24
PoE Maximum Power Per Port	30W	30W	30W
Total PoE Power Budget	123W	246W	370W
LED			
Per Device	Power, PoE MAX	Power, PoE MAX	Power, PoE MAX
Per Port	Link/Activity PoE Power	Link/Activity PoE Power	Link/Activity PoE Power
Energy Efficiency			
Green Ethernet (EEE, 802.3az)	Yes	Yes	Yes
FAN/Fanless	Fanless	Fan	Fan
Physical Specifications			
Enclosure Form Factor	Slim	Rack-Mount	Rack-Mount
Material	Metal	Metal	Metal
Dimensions (W x D x H mm)	286 x 102 x 27	440 x 210 x 44	440 x 210 x 44
Weight	900 g	3.0 kg	3.45 kg
Environmental Specifications			
Operating Temperature	0° – 40° C	0° – 40° C	0° – 40° C
Operating Humidity (non-condensing)	90% Max.	90% Max.	90% Max.
EMC			
EMC Certifications	FCC/CE	FCC/CE	FCC/CE
Safety			
Safety Certifications	LVD	UL/CB	UL/CB
Power			
Power In	External 54VDC/2.78A AC Adapter	Internal Switching Power 100~240 VAC	Internal Switching Power 100~240 VAC
Maximum Power Consumption	12.8 W (No PoE)	14.9 W (No PoE)	36 W (No PoE)
IEEE Network Protocols			
IEEE 802.3 10BASE-T Ethernet	✓	✓	✓
IEEE 802.3u 100BASE-TX Fast Ethernet	✓	✓	✓
IEEE 802.3ab 1000BASE-T Gigabit Ethernet	✓	✓	✓
IEEE 802.3x Flow Control	✓	✓	✓
IEEE 802.3az Energy Efficiency Ethernet	✓	✓	✓
IEEE 802.3af PoE	✓	✓	✓
IEEE 802.3at PoE+	--	✓	✓

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