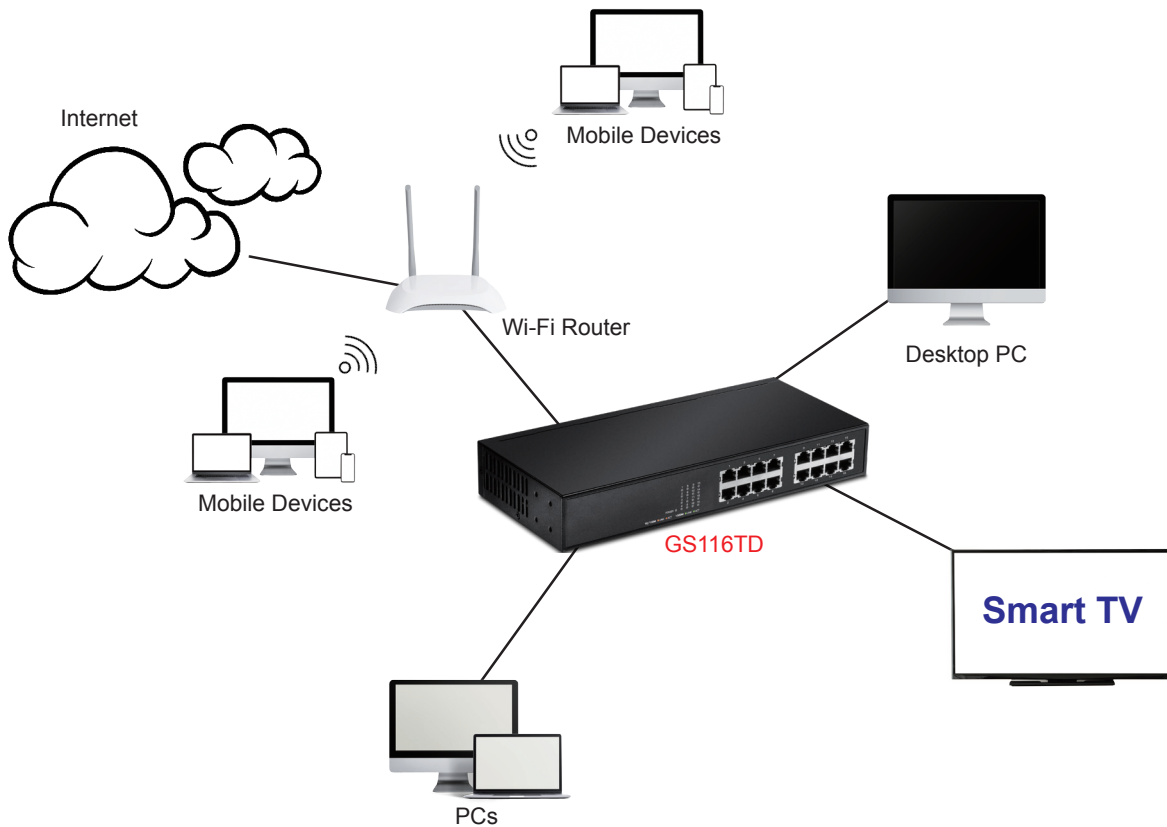


## Features

- 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



## Application





Interface	GS105TS	GS108TS	GS116TD	GS116TR
Fast Ethernet	--	--	--	--
Gigabit Ethernet	5	8	16	16
2.5Gigabit Ethernet	--	--	--	--
<b>Performance</b>				
Switching Capacity	10 Gbps	16 Gbps	32 Gbps	32 Gbps
MAC Address Table Size	2K	4K	8K	8K
Packet Buffer Memory	128KB	192KB	512KB	512KB
Jumbo Frame Size	9KB	9KB	10KB	10KB
Forwarding Rate (64-byte)/Port	1.488 Mpps	1.488 Mpps	1.488 Mpps	1.488 Mpps
Auto MDI/MDI-X	Yes	Yes	Yes	Yes
<b>LED</b>				
Per Device	Power	Power	Power	Power
Per Port	Link/Activity	Link/Activity	Link/Activity	Link/Activity
<b>Energy Efficiency</b>				
Green Ethernet (EEE, 802.3az)	Yes	Yes	Yes	Yes
FAN/Fanless	Fanless	Fanless	Fanless	Fanless
<b>Physical Specifications</b>				
Enclosure Form Factor	Slim	Slim	Desktop	Rack-Mount
Material	Metal	Metal	Metal	Metal
Dimensions (W x D x H mm)	116 x 75 x 25	150 x 97 x 28	280 x 125.8 x 44	440 x 140 x 44
Weight	192 g	365 g	1.1 kg	1.8 kg
<b>Environmental Specifications</b>				
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.
<b>EMC</b>				
EMC Certifications	FCC/CE	FCC/CE	FCC/CE	FCC/CE
<b>Safety</b>				
Safety Certifications	LVD	LVD	UL/CB	UL/CB
<b>Power</b>				
Power In	External 5VDC/1.0A AC Adapter	External 5VDC/1.0A AC Adapter	Internal Switching Power 100~240 VAC	Internal Switching Power 100~240 VAC
Maximum Power Consumption	2.75 W	4 W	10.1 W	10.1 W
<b>IEEE Network Protocols</b>				
IEEE 802.3 10BASE-T Ethernet	✓	✓	✓	✓
IEEE 802.3u 100BASE-TX Fast Ethernet	✓	✓	✓	✓
IEEE 802.3ab 1000BASE-T Gigabit Ethernet	✓	✓	✓	✓
IEEE 802.3bz 2.5GBASE-T Gigabit Ethernet	--	--	--	--
IEEE 802.3x Flow Control	✓	✓	✓	✓
IEEE 802.3az Energy Efficiency Ethernet	✓	✓	✓	✓

\*Specifications are subject to change without notice



Interface	GS124TD	GS124TR	NS105TD
Fast Ethernet	--	--	--
Gigabit Ethernet	24	24	--
2.5Gigabit Ethernet	--	--	5
<b>Performance</b>			
Switching Capacity	48 Gbps	48 Gbps	25 Gbps
MAC Address Table Size	8K	8K	16K
Packet Buffer Memory	512KB	512KB	1.5MB
Jumbo Frame Size	10KB	10KB	12MB
Forwarding Rate (64-byte)	1.488 Mpps	1.488 Mpps	3.72 Mpps
Auto MDI/MDI-X	Yes	Yes	Yes
<b>LED</b>			
Per Device	Power	Power	Power
Per Port	Link/Activity	Link/Activity	Link/Activity
<b>Energy Efficiency</b>			
Green Ethernet (EEE, 802.3az)	Yes	Yes	Yes
FAN/Fanless	Fanless	Fanless	Fanless
<b>Physical Specifications</b>			
Enclosure Form Factor	Desktop	Rack-Mount	Desktop
Material	Metal	Metal	Metal
Dimensions (W x D x H mm)	280 x 180 x 44	440 x 210 x 44	280 x 125.8 x 44
Weight	1.7 kg	2.3 kg	840 g
<b>Environmental Specifications</b>			
Operating Temperature	0° – 40° C	0° – 40° C	0° – 40° C
Operating Humidity (non-condensing)	90% Max.	90% Max.	90% Max.
<b>EMC</b>			
EMC Certifications	FCC/CE	FCC/CE	FCC/CE
<b>Safety</b>			
Safety Certifications	UL/CB	UL/CB	LVD
<b>Power</b>			
Power In	Internal Switching Power 100~240 VAC	Internal Switching Power 100~240 VAC	External 12VDC/1.0A AC Adapter
Maximum Power Consumption	13 W	13 W	9.2 W
<b>IEEE Network Protocols</b>			
IEEE 802.3 10BASE-T Ethernet	✓	✓	✓
IEEE 802.3u 100BASE-TX Fast Ethernet	✓	✓	✓
IEEE 802.3ab 1000BASE-T Gigabit Ethernet	✓	✓	✓
IEEE 802.3bz 2.5GBASE-T Gigabit Ethernet	--	--	✓
IEEE 802.3x Flow Control	✓	✓	✓
IEEE 802.3az Energy Efficiency Ethernet	✓	✓	✓

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