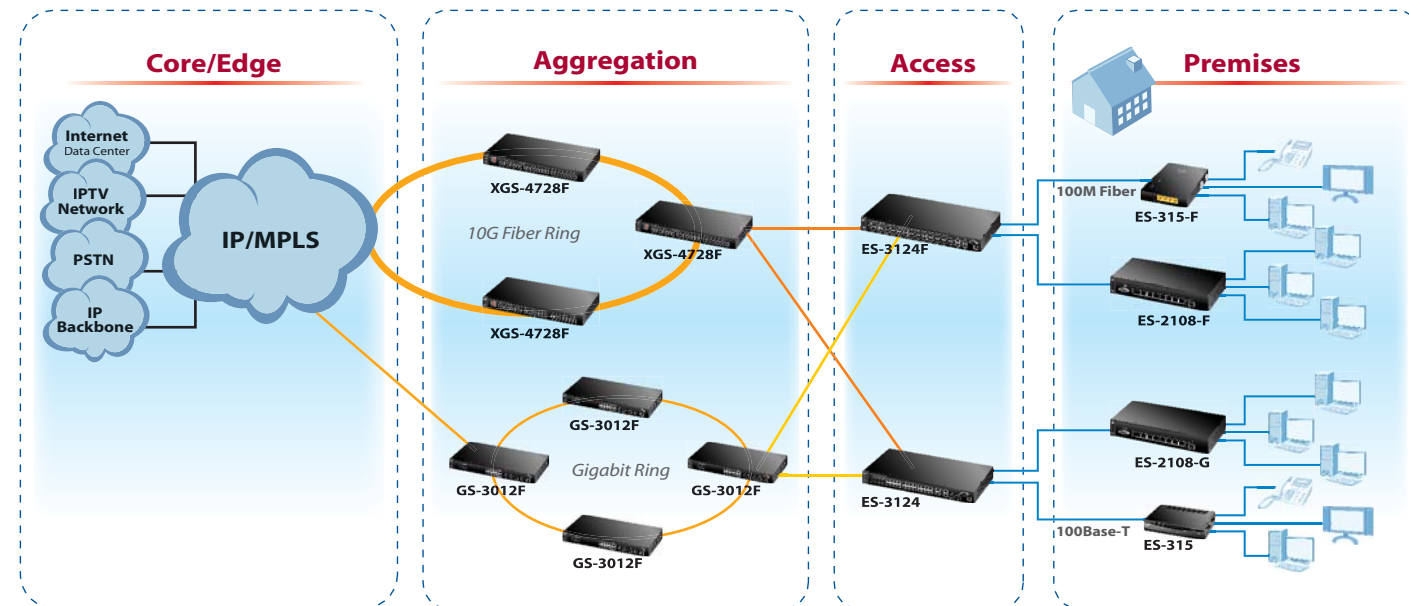


Application Scenario

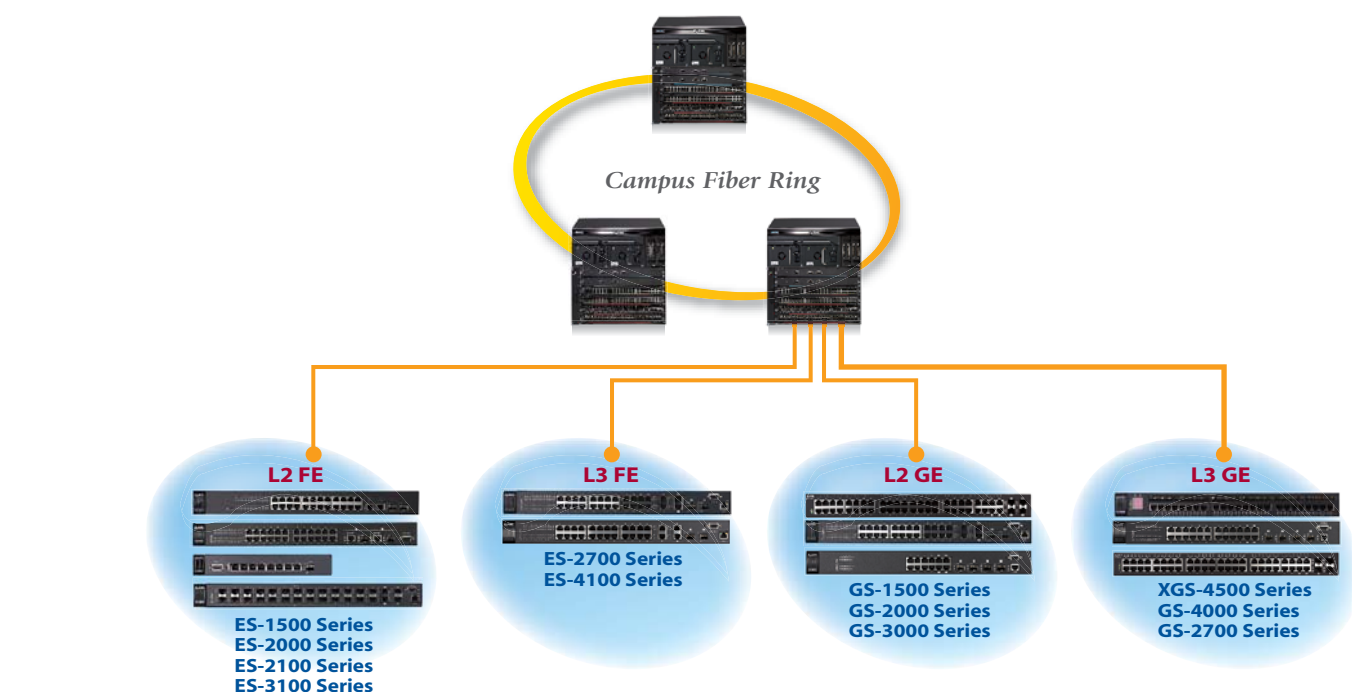
Services Provider Network

In order to satisfy home and commercial subscribers with Triple-Play services incorporating astounding voice, video and data delivery, ZyXEL solutions help services provider to offer responsive, rich and personalized online experience for ubiquitous connectivity and therefore more revenue.



Campus/Enterprise Network

Providing high throughput and full security demanded by campus/Enterprise network administrators, addressing new and growing security risks in addition to increasing an institution's flexibility and capacity to innovate all at the same time is a delicate balancing act.



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 http://www.zyxel.com

Ethernet Switch Quick Sales Guide 2008-09



7000 Series—Modular Switch

MS-7206 Modular Switch

Redundant Management Chassis Switch



Superior System Performance
 • Non-blocking 384 Gbps switching capacity
 • 192 x Gigabit/32 x 10 Gb Ports per system

Full Redundancy
 • Dual, Load-sharing Management and Switch Fabrics
 • Power Supplies (1+1)

Full Hot-swap Capability
 • Fabric, Modules, Power, Fans

High Connectivity Flexibility
 • Mixed 10 Gb, Gigabit copper, fiber and PoE types

6 Slots (two for management and four for I/O modules)
 • 10U height hardware architecture

16K MAC address table
 • 8K IP address table
 • 8K routing entries

64 Routing domains
 • Chassis including Fan Tray
 • Max. power consumption: 583 watt
 • Min. power consumption: 555 watt
 • Dimensions: 435 (w) x 316 (D) x 447 (H) mm

MM-7201

Redundant Management and Switch Fabric
 • Cisco like CLI
 • RS-232 and RJ-45 console port

MI-7248

Total ports available: 48 Gigabit RJ45
 • 48-port 100/1000Base-T

MI-7248PWR

Total ports available: 48 Gigabit PoE RJ45
 • 48-port 100/1000Base-T with PoE on all ports
 • 802.3af full PoE (15.4 watt) on each port
 • Enabling PoE support on module requires purchase of 1x MP-7202 PoE Power Supply per module

MI-7248FT

Total ports available: 48 Gigabit PoE RJ45
 • 48-port 100/1000Base-T with PoE on all ports
 • 802.3af full PoE (15.4 watt) on each port
 • Enabling PoE support on module requires purchase of 1x MP-7202 PoE Power Supply per module

MI-7248FT

Total ports available: 48 Gigabit PoE RJ45
 • 48-port 100/1000Base-T with PoE on all ports
 • 802.3af full PoE (15.4 watt) on each port
 • Enabling PoE support on module requires purchase of 1x MP-7202 PoE Power Supply per module

ZyXEL MS-7206 Feature Highlights

- 256* static VLANs, 4096 dynamic VLANs
- VLAN Trunking, Port VLAN, IP Subnet VLAN, VLAN stacking (QinQ)
- GVRP/BPDU Transparency, Loop guard
- STP/RSTP/MSTP/RRSTP resilience, VRRP
- LACP Trunk/Link Aggregation: 6/8
- SSH v1/v2, SSL, Intrusion Lock, 802.1x, Port Security
- MAC Freeze, authentication, filtering
- Static MAC forwarding
- ACL (L2/L3/L4) security filtering
- ACL (L2/L3/L4) prioritization (Layer4)
- 8 QoS hardware queues: SPQ/WFQ/WRR
- Broadcast storm control
- Rate Limiting in 64 kbps, policy based
- Traffic shaping, port based
- Two rate three color marking
- 802.1p Class of Service, DiffServ (DSCP)
- IGMP v1, v2, v3
- IGMP Snooping (v1, v2, v3), Filtering

MI-7248TF

Total ports available: 48 Gigabit (24 SFP slots)
 • 24-port 100/1000Base-T
 • 24 Gigabit Fiber slots (requires purchase of mini-GBIC SFP)

MI-7308

Total ports available: 8 10Gigabit XFP slots
 • 4 10 Gigabit Fiber XFP slots (requires purchase of XFPs)
 • 2 slots for EM412/EM-422 modules for additional 10G connection
 • 16 ports non-blocking using two Management modules

MP-7201

Power Supply for MS-7206 Chassis
 • 600 watt power supply
 • One Power Supply delivers enough power to feed a fully equipped Chassis (PoE not included)
 • Fully redundant using two Power Supplies

MP-7202

PoE Power Supply for MI-7248PWR module
 • 750 watt PoE power supply
 • One PoE Power Supply must be purchased per MI-7248PWR module to feed PoE power to the module

MS-7206 PoE Starter Kit

PoE Starter Kit includes:
 • 1 x MS-7206
 • 1 x MM-7201
 • 1 x MP-7201
 • 1 x MI-7248PWR
 • 1 x MP-7202

MS-7206 SFP Starter Kit

SFP Starter Kit includes:
 • 1 x MS-7206
 • 1 x MM-7201
 • 1 x MP-7201
 • 1 x MI-7248FT

MS-7206 SFP Starter Kit

SFP Starter Kit includes:
 • 1 x MS-7206
 • 1 x MM-7201
 • 1 x MP-7201
 • 1 x MI-7248FT

MS-7206 SFP Starter Kit

SFP Starter Kit includes:
 • 1 x MS-7206
 • 1 x MM-7201
 • 1 x MP-7201
 • 1 x MI-7248FT

MS-7206 SFP Starter Kit

SFP Starter Kit includes:
 • 1 x MS-7206
 • 1 x MM-7201
 • 1 x MP-7201
 • 1 x MI-7248FT

MS-7206 SFP Starter Kit

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 • 1 x MI-7248FT

MS-7206 SFP Starter Kit

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 • 1 x MP-7201
 • 1 x MI-7248FT

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MS-7206 SFP Starter Kit

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MS-7206 SFP Starter Kit

SFP Starter Kit includes:
 • 1 x MS-7206
 • 1 x MM-7201
 • 1 x MP-7201
 • 1 x MI-7248FT

M Series—Managed Switch

MG5-3712

8-port 1000Base-T
 • 4 Dual-personality Gigabit ports (RJ-45/SFP open slots)
 • 24 Gbps non-blocking switching fabric
 • 17.8 Mpps forwarding rate
 • 16K MAC address table
 • Front Access design
 • External alarm input/output block
 • Operating temperature: 0°C ~ 65°C
 • Humidity: 10% ~ 99% (non-condensing)
 • Max. power consumption: 22.4 watt
 • Min. power consumption: 21.2 watt
 • Dimensions: 438 (W) x 215 (D) x 44.45 (H) mm

MG5-3712F

8 SFP open slots (GbE)
 • 4 Dual-personality Gigabit ports (RJ-45/SFP open slots)
 • 24 Gbps non-blocking switching fabric
 • 17.8 Mpps forwarding rate
 • 16K MAC address table
 • Front Access design
 • External alarm input/output block
 • Operating temperature: 0°C ~ 65°C
 • Humidity: 10% ~ 99% (non-condensing)
 • Max. power consumption: 22.6 watt
 • Min. power consumption: 21.2 watt
 • Dimensions: 438 (W) x 215 (D) x 44.45 (H) mm

MG5-3728

24-port 10/100Base-TX
 • 2 SFP slots (GbE)
 • 2 Dual-personality Gigabit ports (RJ-45/SFP open slots)
 • 12.8 Gbps non-blocking switching fabric
 • 9.6 Mpps forwarding rate
 • 16K MAC address table
 • Front Access design
 • External alarm input/output block
 • Operating temperature: 0°C ~ 65°C
 • Humidity: 10% ~ 99% (non-condensing)
 • Dimensions: 438 (W) x 215 (D) x 44.45 (H) mm

MG5-3728F

24-port 10/100Base-TX
 • 2 SFP slots (GbE)
 • 2 Dual-personality Gigabit ports (RJ-45/SFP open slots)
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 • 9.6 Mpps forwarding rate
 • 16K MAC address table
 • Front Access design
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 • 16K MAC address table
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 • External alarm input/output block
 • Operating temperature: 0°C ~ 65°C
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 • Dimensions: 438 (W) x 215 (D) x 44.45 (H) mm

MG5-3728F

24-port 10/100Base-TX
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 • 16K MAC address table
 • Front Access design
 • External alarm input/output block
 • Operating temperature: 0°C ~ 65°C
 • Humidity: 10% ~ 99% (non-condensing)
 • Dimensions: 438 (W) x 215 (D) x 44.45 (H) mm

MG5-3728F

24-port 10/100Base-TX
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 • 12.8 Gbps non-blocking switching fabric
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 • 16K MAC address table
 • Front Access design
 • External alarm input/output block
 • Operating temperature: 0°C ~ 65°C
 • Humidity: 10% ~ 99% (non-condensing)
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MG5-3728F

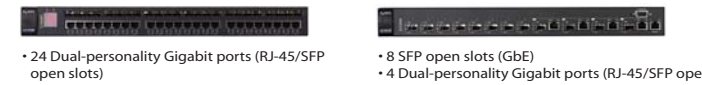
24-port 10/100Base-TX
 • 2 SFP slots (GbE)
 • 2 Dual-personality Gigabit ports (RJ-45/SFP open slots)
 • 12.8 Gbps non-blocking switching fabric
 • 9.6 Mpps forwarding rate
 • 16K MAC address table
 • Front Access design
 • External alarm input/output block
 • Operating temperature: 0°C ~ 65°C
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 • Dimensions: 438 (W) x 215 (D) x 44.45 (H) mm

MG5-3728F

24-port 10/100Base-TX
 • 2 SFP slots (GbE)
 • 2 Dual-personality Gigabit ports (RJ-45/SFP open slots)
 • 12.8 Gbps non-blocking switching fabric
 • 9.6 Mpps forwarding rate
 • 16K MAC address table
 • Front Access design
 • External alarm input/output block
 • Operating temperature: 0°C ~ 65°C
 • Humidity: 10% ~ 99% (non-condensing)
 • Dimensions: 438 (W) x 215 (D) x 44.45 (H)

4000 Series—Managed Switch

XGS-4728F



- 24 Dual-personality Gigabit ports (RJ-45/SFP open slots)
- 2 12G stacking ports
- 1 Optional two port 10G module
- 144 Gbps non-blocking switching fabric
- 100 Mpps forwarding rate
- 16K MAC address table
- 8K IP address table
- 12K routing entries
- 64 Routing domains
- Dimensions: 438 (W) x 310 (D) x 44.45 (H) mm
- Also available as 48 VDC version

GS-4012F



- 8 SFP open slots (GbE)
- 4 Dual-personality Gigabit ports (RJ-45/SFP open slots)
- 24 Gbps non-blocking switching fabric
- 17.8 Mpps forwarding rate
- 16K MAC address table
- 8K IP address table
- 8K routing entries
- 64 Routing domains
- Max. power consumption: 27.3 watt
- Min. power consumption: 25.9 watt
- Dimensions: 438 (W) x 225 (D) x 44.45 (H) mm
- Also available as 48 VDC version

XGS-4528F



- 24 Dual-personality Gigabit ports (RJ-45/SFP open slots)
- 2 12G stacking ports
- 1 Optional two port 10G module
- 144 Gbps non-blocking switching fabric
- 100 Mpps forwarding rate
- 8K MAC address table
- 2K IP address table
- 512 routing entries
- 64 Routing domains
- Max. power consumption: 62.8 watt
- Min. power consumption: 58.2 watt
- Dimensions: 438 (W) x 310 (D) x 44.45 (H) mm
- Also available as 48 VDC version

ES-4124



- 24-port 10/100Base-TX
- 2-port 1000Base-T
- 2 Dual-personality Gigabit ports (RJ-45/SFP open slots)
- 12.8 Gbps non-blocking switching fabric
- 9.6 Mpps forwarding rate
- 16K MAC address table
- 256 IP address table
- 64 Routing domains
- Max. power consumption: 30.3 watt
- Min. power consumption: 27.8 watt
- Dimensions: 438 (W) x 225 (D) x 44.45 (H) mm
- Also available as 48 VDC version

GS-4024



- 20-port 1000Base-T
- 4 Dual-personality Gigabit ports (RJ-45/SFP open slots)
- 48 Gbps non-blocking switching fabric
- 35.7 Mpps forwarding rate
- 16K MAC address table
- 8K IP address table
- 8K routing entries
- 64 Routing domains
- Max. power consumption: 53.8 watt
- Min. power consumption: 52.2 watt
- Dimensions: 438 (W) x 300 (D) x 44.45 (H) mm

3000 Series—Managed Switch

GS-3012



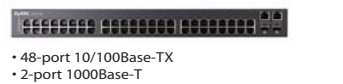
- 8-port 1000Base-T
- 4 Dual-personality Gigabit ports (RJ-45/SFP open slots)
- 24 Gbps non-blocking switching fabric
- 17.8 Mpps forwarding rate
- 16K MAC address table
- Dimensions: 438 (W) x 300 (D) x 44.45 (H) mm
- Also available as 48 VDC version

GS-3012F



- 8 SFP open slots (GbE)
- 4 Dual-personality Gigabit ports (RJ-45/SFP open slots)
- 24 Gbps non-blocking switching fabric
- 17.8 Mpps forwarding rate
- 16K MAC address table
- Max. power consumption: 20.5 watt
- Min. power consumption: 19.1 watt
- Dimensions: 438 (W) x 225 (D) x 44.45 (H) mm
- Also available as 48 VDC version

ES-3148



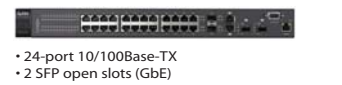
- 48-port 10/100Base-TX
- 2-port 1000Base-T
- 2 Dual-personality Gigabit ports (RJ-45/SFP open slots)
- 17.6 Gbps non-blocking switching fabric
- 13.1 Mpps forwarding rate
- 16K MAC address table
- Max. power consumption: 39.7 watt
- Min. power consumption: 38.7 watt
- Dimensions: 438 (W) x 300 (D) x 44.45 (H) mm

ES-3124



- 24-port 10/100Base-TX
- 2-port 1000Base-T
- 2 Dual-personality Gigabit ports (RJ-45/SFP open slots)
- 12.8 Gbps non-blocking switching fabric
- 9.6 Mpps forwarding rate
- 16K MAC address table
- Max. power consumption: 28.2 watt
- Min. power consumption: 28.2 watt
- Dimensions: 438 (W) x 270 (D) x 44.45 (H) mm
- Also available as 48 VDC version

ES-3124-4F



- 24-port 10/100Base-TX
- 2 SFP open slots (GbE)
- 2 Dual-personality Gigabit ports (RJ-45/SFP open slots)
- 12.8 Gbps non-blocking switching fabric
- 9.6 Mpps forwarding rate
- 16K MAC address table
- Max. power consumption: 30.2 watt
- Min. power consumption: 28.5 watt
- Dimensions: 438 (W) x 270 (D) x 44.45 (H) mm
- Also available as 48 VDC version

ES-3124F



- 24 SFP open slots (FE)
- 2 SFP open slots (GbE)
- 2 Dual-personality Gigabit ports (RJ-45/SFP open slots)
- 12.8 Gbps non-blocking switching fabric
- 9.6 Mpps forwarding rate
- 16K MAC address table
- Max. power consumption: 38.8 watt
- Min. power consumption: 37.7 watt
- Dimensions: 438 (W) x 270 (D) x 44.45 (H) mm
- Also available as 48 VDC version

ES-3124PWR



- 24-port 10/100Base-TX PoE
- 2-port 1000Base-T
- 2 Dual-personality Gigabit ports (RJ-45/SFP open slots)
- 12.8 Gbps non-blocking switching fabric
- 9.6 Mpps forwarding rate
- 16K MAC address table
- Max. power consumption: 43.7 watt
- Min. power consumption: 41.0 watt
- Dimensions: 438 (W) x 420 (D) x 44.45 (H) mm

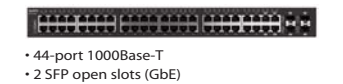
2700 Series—Managed Switch

XGS-2726



- 20-port 1000Base-T
- 4 Dual-personality Gigabit ports (RJ-45/SFP open slots)
- 1 Optional two port 10G module
- 88 Gbps non-blocking switching fabric
- 35.7 Mpps forwarding rate
- 8K MAC address table
- Max. power consumption: 20.9 watt
- Min. power consumption: 19.7 watt
- Dimensions: 438 (W) x 300 (D) x 44.45 (H) mm

GS-2724



- 20-port 1000Base-T
- 4 Dual-personality Gigabit ports (RJ-45/SFP open slots)
- 48 Gbps non-blocking switching fabric
- 35.7 Mpps forwarding rate
- 8K MAC address table
- 1K IP address table
- 8 Routing domains
- Max. power consumption: 92.8 watt
- Min. power consumption: 87.2 watt
- Dimensions: 438 (W) x 270 (D) x 44.45 (H) mm

GS-2724



- 24-port 10/100Base-TX
- 2-port 1000Base-T
- 2 Dual-personality Gigabit ports (RJ-45/SFP open slots)
- 12.8 Gbps non-blocking switching fabric
- 9.6 Mpps forwarding rate
- 16K MAC address table
- Max. power consumption: 43.7 watt
- Min. power consumption: 41.0 watt
- Dimensions: 438 (W) x 270 (D) x 44.45 (H) mm

ES-3124PWR



- 24-port 10/100Base-TX PoE
- 2-port 1000Base-T
- 2 Dual-personality Gigabit ports (RJ-45/SFP open slots)
- 12.8 Gbps non-blocking switching fabric
- 9.6 Mpps forwarding rate
- 16K MAC address table
- Max. power consumption: 43.7 watt
- Min. power consumption: 41.0 watt
- Dimensions: 438 (W) x 420 (D) x 44.45 (H) mm

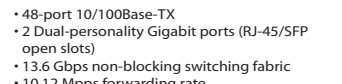
2000 Series—Managed Switch

GS-2024



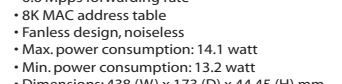
- 22-port 1000Base-T
- 2 Dual-personality Gigabit ports (RJ-45/SFP open slots)
- 48 Gbps non-blocking switching fabric
- 35.7 Mpps forwarding rate
- 8K MAC address table
- Max. power consumption: 20.9 watt
- Min. power consumption: 19.7 watt
- Dimensions: 438 (W) x 300 (D) x 44.45 (H) mm

ES-2048



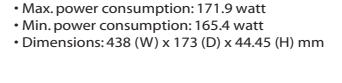
- 48-port 10/100Base-TX
- 2 Dual-personality Gigabit ports (RJ-45/SFP open slots)
- 13.6 Gbps non-blocking switching fabric
- 10.12 Mpps forwarding rate
- 16K MAC address table
- Max. power consumption: 40.8 watt
- Min. power consumption: 38.8 watt
- Dimensions: 438 (W) x 300 (D) x 44.45 (H) mm

ES-2024A



- 24-port 10/100Base-TX
- 2 Dual-personality Gigabit ports (RJ-45/SFP open slots)
- 8.8 Gbps non-blocking switching fabric
- 6.6 Mpps forwarding rate
- 8K MAC address table
- Fanless design, noiseless
- Max. power consumption: 14.1 watt
- Min. power consumption: 13.2 watt
- Dimensions: 438 (W) x 173 (D) x 44.45 (H) mm

ES-2024PWR



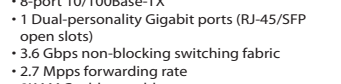
- 24-port 10/100Base-TX PoE
- 2 Dual-personality Gigabit ports (RJ-45/SFP open slots)
- 8.8 Gbps non-blocking switching fabric
- 6.6 Mpps forwarding rate
- 8K MAC address table
- Fanless design, noiseless
- Max. power consumption: 17.1 watt
- Min. power consumption: 16.4 watt
- Dimensions: 438 (W) x 173 (D) x 44.45 (H) mm

ES-2108



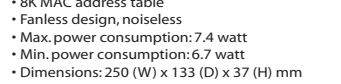
- 8-port 10/100Base-TX
- 1.6 Gbps non-blocking switching fabric
- 1.2 Mpps forwarding rate
- 8K MAC address table
- Fanless design, noiseless
- Max. power consumption: 7.8 watt
- Min. power consumption: 7.3 watt
- Dimensions: 250 (W) x 133 (D) x 37 (H) mm
- Also available as 12 VDC version

ES-2108-G



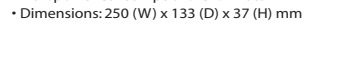
- 8-port 10/100Base-TX
- 1 Dual-personality Gigabit ports (RJ-45/SFP open slots)
- 3.6 Gbps non-blocking switching fabric
- 2.7 Mpps forwarding rate
- 8K MAC address table
- Fanless design, noiseless
- Max. power consumption: 7.8 watt
- Min. power consumption: 7.3 watt
- Dimensions: 250 (W) x 133 (D) x 37 (H) mm

ES-2108-F



- 8-port 10/100Base-TX
- 1 SFP open slot (FE)
- 1.8 Gbps non-blocking switching fabric
- 1.4 Mpps forwarding rate
- 8K MAC address table
- Fanless design, noiseless
- Max. power consumption: 7.4 watt
- Min. power consumption: 6.7 watt
- Dimensions: 250 (W) x 133 (D) x 37 (H) mm

ES-2108PWR



- 8-port 10/100Base-TX PoE
- 1 Dual-personality Gigabit ports (RJ-45/SFP open slots)
- 3.6 Gbps non-blocking switching fabric
- 2.7 Mpps forwarding rate
- 8K MAC address table
- Low noise with variable fan speed control
- Max. power consumption: 13.1 watt
- Min. power consumption: 12.1 watt
- Dimensions: 250 (W) x 133 (D) x 37 (H) mm

1500 Series—Web-managed Switch

GS-1548



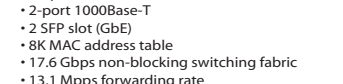
- 44-port 1000Base-T
- 4 Dual-personality Gigabit ports (RJ-45/SFP open slots)
- 96 Gbps non-blocking switching fabric
- 71.4 Mpps forwarding rate
- 8K MAC address table
- Fanless design, noiseless
- Max. power consumption: 80.1 watt
- Min. power consumption: 75.9 watt
- Dimensions: 441 (W) x 195 (D) x 44.45 (H) mm

GS-1524



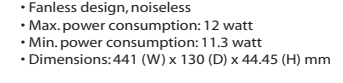
- 20-port 1000Base-T
- 2 Dual-personality Gigabit ports (RJ-45/SFP open slots)
- 48 Gbps non-blocking switching fabric
- 35.7 Mpps forwarding rate
- 8K MAC address table
- Low noise with variable fan speed control
- Max. power consumption: 40.6 watt
- Min. power consumption: 40.6 watt
- Dimensions: 438 (W) x 215 (D) x 44.45 (H) mm

ES-1522



- 48-port 10/100Base-TX
- 2-port 1000Base-T
- 2 SFP slot (GbE)
- 8K MAC address table
- 17.6 Gbps non-blocking switching fabric
- 13.1 Mpps forwarding rate
- Fanless design, noiseless
- Dimensions: 441 (W) x 195 (D) x 44.45 (H) mm

ES-1528



- 24-port 10/100Base-TX
- 2-port 1000Base-T
- 2 SFP slot (GbE)
- 8.8 Gbps non-blocking switching fabric
- 6.6 Mpps forwarding rate
- 8K MAC address table
- Dimensions: 438 (W) x 130 (D) x 44.45 (H) mm

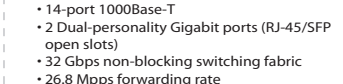
1000 Series—Unmanaged Rackmount Switch

GS-1124A



- 22-port 1000Base-T
- 2 Dual-personality Gigabit ports (RJ-45/SFP open slots)
- 48 Gbps non-blocking switching fabric
- 38.7 Mpps forwarding rate
- 4K MAC address table
- Dimensions: 438 (W) x 161 (D) x 44.45 (H) mm
- Also available as 12 VDC version

GS-1116A



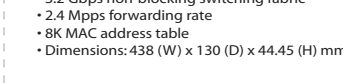
- 14-port 1000Base-T
- 2 Dual-personality Gigabit ports (RJ-45/SFP open slots)
- 32 Gbps non-blocking switching fabric
- 26.8 Mpps forwarding rate
- 4K MAC address table
- Dimensions: 438 (W) x 161 (D) x 44.45 (H) mm

ES-1124



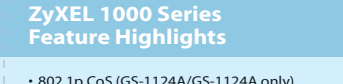
- 24-port 10/100Base-TX
- 2 Dual-personality Gigabit ports (RJ-45/SFP open slots)
- 8.8 Gbps non-blocking switching fabric
- 6.6 Mpps forwarding rate
- 8K MAC address table
- Dimensions: 438 (W) x 161 (D) x 44.45 (H) mm

ES-1024B



- 24-port 10/100Base-TX
- 4.8 Gbps non-blocking switching fabric
- 3.6 Mpps forwarding rate
- 8K MAC address table
- Dimensions: 438 (W) x 130 (D) x 44.45 (H) mm

ES-1016B



- 16-port 10/100Base-TX
- 3.2 Gbps non-blocking switching fabric
- 2.4 Mpps forwarding rate
- 8K MAC address table
- Dimensions: 438 (W) x 130 (D) x 44.45 (H) mm

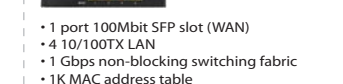
300 Series—Premises Switch

ES-315



- 1 port 10/100Base-TX (RJ-45 WAN)
- 4 10/100TX LAN
- 1 Gbps non-blocking switching fabric
- 1K MAC address table
- Fanless design, noiseless
- Max. power consumption: 8 watt
- Min. power consumption: 6.4 watt
- Dimensions: 180 (W) x 127 (D) x 35 (H) mm

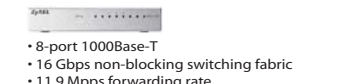
ES-315-F



- 1 port 100Mbit SFP slot (WAN)
- 4 10/100TX LAN
- 1 Gbps non-blocking switching fabric
- 1K MAC address table
- Fanless design, noiseless
- Max. power consumption: 12.3 watt
- Min. power consumption: 9.2 watt
- Dimensions: 180 (W) x 127 (D) x 35 (H) mm

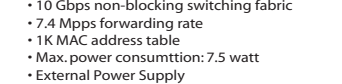
100 Series—Unmanaged Desktop Switch

GS-108B



- 8-port 1000Base-T
- 16 Gbps non-blocking switching fabric
- 11.9 Mpps forwarding rate
- 1K MAC address table
- Max. power consumption: 13.2 watt
- External Power Supply
- Dimensions: 165 (W) x 100 (D) x 32.5 (H) mm

GS-105B



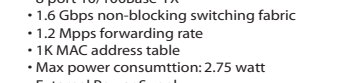
- 5-port 1000Base-T
- 10 Gbps non-blocking switching fabric
- 7.4 Mpps forwarding rate
- 1K MAC address table
- Max. power consumption: 7.5 watt
- External Power Supply
- Dimensions: 165 (W) x 100 (D) x 32.5 (H) mm

ES-124P



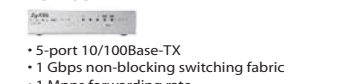
- 24-port 10/100Base-TX
- 4.8 Gbps non-blocking switching fabric
- 3.2 Mpps forwarding rate
- 1K MAC address table
- Max. power consumption: 7.26 watt
- Internal Power Supply
- 19" rackmount brackets included
- Dimensions: 267 (W) x 152.5 (D) x 42 (H) mm

ES-116P



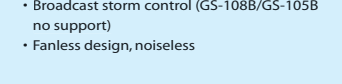
- 16-port 10/100Base-TX
- 3.2 Gbps non-blocking switching fabric
- 2.4 Mpps forwarding rate
- 1K MAC address table
- Max. power consumption: 6.44 watt
- Internal Power Supply
- 19" rackmount brackets included
- Dimensions: 215 (W) x 133 (D) x 42 (H) mm

ES-108A



- 8-port 10/100Base-TX
- 1.6 Gbps non-blocking switching fabric
- 1.2 Mpps forwarding rate
- 1K MAC address table
- Max. power consumption: 2.75 watt
- External Power Supply
- Dimensions: 154.5 (W) x 85 (D) x 26 (H) mm

ES-108P



- 8-port 10/100Base-TX
- 1.6 Gbps non-blocking switching fabric
- 1.2 Mpps forwarding rate
- 1K MAC address table
- Max. power consumption: 3.44 watt
- Internal Power Supply
- Dimensions: 194 (W) x 85 (D) x 25 (H) mm

ES-105A

- 5-port 10/100Base-TX
- 1 Gbps non-blocking switching fabric
- 1 Mpps forwarding rate
- 1K MAC address table
- Max. power consumption: 2.15 watt
- External Power Supply
- Dimensions: 121 (W) x 75 (D) x 26 (H) mm

ZyXEL 100 Series Feature Highlights

- 802.1p priority tag pass-through
- 802.1q VLAN packet pass-through
- Broadcast storm control (GS-108B/GS-105B no support)
- Fanless design, noiseless

SFP Transceiver

Speed	Model	Type	Distance	Work with
10-Gigabit XFP Transceivers	FTLX1411D3 (XFP-SR)	SC connector	Singlemode, up to 300 m reach	MS-7206, XGS-4728F
	FTLX8511D3 (XFS-LR)	SC connector	Singlemode, up to 10 km reach	XGS-4528F, XGS-2726
	SFP-1000T	RJ-45 connector	Up to 100 M Using standard Ethernet cable	
Gigabit SFP Transceivers	SFP-SX	LC connector	Multimode, up to 220 m reach (62.5um) / up to 550 m reach (50 um)	
	SFP-LX-10	LC connector	Multimode, up to 550 m reach Singlemode, up to 10 km reach	MS-7206, M Series 4000 Series
	SFP-BX-1310-10	LC connector	Bidirectional Singlemode, up to 10 km reach	3000 Series
	SFP-BX-1490-10			