




Supermicro Top-of-Rack Ethernet Switch - Selection Guide

| | 1 Gigabit Ethernet | | 10 Gigabit Ethernet |
|--|---|--|---|
| | SSE-G24-TG4 | SSE-G48-TG4 | SSE-X24S/SSE-X24SR |
| |  |  |  |
| Performance: | | | |
| Switch Fabric Capacity | 136Gbps | 184Gbps | 482Gbps |
| Forwarding Rate (Mpps) | 95 | 131 | 361.5 |
| Stacking performance | Up to 48 Gbps | Up to 48 Gbps | — |
| Buffer Size | 768KB | 1.536MB | 2MB |
| Latency | 3.83µs | 3.83µs | 1.88µs |
| Flash Memory | 32MB | 32MB | 128MB |
| RAM | 256MB | 256MB | 1GB |
| Ports: | | | |
| 10/100/1000Base-T | 24 | 48 | 1 |
| 1 GbE | 4 (SFP, Combo) | 4 (SFP, Combo) | — |
| 10 GbE | Option | Option | 24 (SFP+) |
| Console Port | RS-232 | RS-232 | RS-232 |
| Power and Cooling: | | | |
| Power consumption (W) | 105 | 145 | 300 |
| Power | 150 | 150 | 350 |
| Hot-swappable Redundant Power/Cooling | —/— | —/— | Yes/— |
| Redundant Power | — | — | Yes |
| Airflow | Side to Side | Side to Side | Front to Rear (SSE-X24S) or Rear to Front (SSE-X24SR) |
| Features: | | | |
| <u>Quality of Service and Diffserv</u> | | | |
| Priority Queues per port | 8 | 8 | 8 |
| Adjusted WRR and Strict Priority Scheduling | Yes | Yes | Yes |
| Layer 2 / 3 / 4 Prioritization | Yes | Yes | Yes |
| Marking | Yes | Yes | Yes |
| Metering / Rate Limiting | Yes | Yes | Yes |
| Max L2 LVLANS | 1K | 1K | 4K |
| Max L3 LVLANS | 128 | 128 | 128 |
| Expansion Module Slots | 2 | 2 | — |
| Stacking (max units using modules) | 8 | 8 | — |
| Max MAC Entries | 8K | 16K | 32K |
| Link Aggregation (Groups / Members) | 24/8 | 24/8 | 24/8 |
| Jumbo Frames (Bytes) | 9K | 9K | 9K |
| IPv4 Routing | RIP/OSPF/BGP | RIP/OSPF/BGP | RIP/OSPF/BGP |
| IPv6 Routing | RIP/OSPF/RRD | RIP/OSPF/RRD | RIP/OSPF/RRD |
| Multicast Routing | PIM/IGMP/DVMRP | PIM/IGMP/DVMRP | PIM/IGMP/DVMRP |
| Port Mirroring - N to 1. Tx & Rx Configurable | Yes | Yes | Yes |
| Security | | | |
| Switch access password protection | Yes | Yes | Yes |
| Layer 2 / 3 / 4 Access Control List (ACLs) | Yes | Yes | Yes |
| RADIUS and TACACS+ Authentication | Yes | Yes | Yes |
| Management | | | |
| CLI (Console, Telnet, SSHv1/v2) | Yes | Yes | Yes |
| Web-based GUI | Yes | Yes | Yes |
| Multiple levels of user privileges (CLI and GUI) | Yes | Yes | Yes |
| Scripting | Yes | Yes | Yes |
| Command Completion | Yes | Yes | Yes |
| Context Sensitive "Help" | Yes | Yes | Yes |
| RMON Groups | Four: 1,2,3 and 9 | Four: 1,2,3 and 9 | Four: 1,2,3 and 9 |
| Dual Firmware Images | Yes | Yes | Yes |
| Configuration File upload / download | Yes | Yes | Yes |
| Logging - syslog | Yes | Yes | Yes |
| Expansion Module Options: | | | |
| 2-port 12 Gbps Stacking | Yes | Yes | — |
| 2-port 10 GbE (CX4, XFP or SFP+) | Yes | Yes | — |
| Physical | | | |
| Chassis Height (RU) | 1U | 1U | 1U |
| Chassis Dimensions H x W x D (inches) | 1.7 x 17.3 x 15.2 | 1.7 x 17.3 x 15.2 | 1.7 x 17.3 x 15.2 |
| Chassis Dimensions H x W x D (cm) | 43 x 440 x 387 | 43 x 440 x 387 | 43 x 440 x 387 |
| Weight w/o modules | 12.6 lbs (5.70 kg) | 13.7 lbs (6.20 kg) | 18.1 lbs (8.18 kg) |
| Weight w/o modules | 12.2 lbs (5.54 kg) | 13.4 lbs (6.06 kg) | — |
| Operating Temperature | 0 - 40°C | 0 - 40°C | 0 - 40°C |
| Available Color | Black | Black | Black |

For the most current product information, visit: www.supermicro.com

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