

**SUPERMICRO** Top-of-Rack L2/3 Ethernet Switch - Selection Guide

	1/10 Gigabit Ethernet		10 Gigabit Ethernet	10 Gigabit Ethernet	10 Gigabit Ethernet
	SSE-G24-TG4	SSE-G48-TG4	SSE-X245/SSE-X245R	SSE-X3348S/SSE-X3348SR	SSE-X3348T/SSE-X3348TR
<b>Performance:</b>					
Switch Fabric Capacity	136Gbps	184Gbps	482Gbps	1284Gbps	1284Gbps
Forwarding Capacity (Mpps)	108	144	361.5	960	960
Stacking performance	Up to 48 Gbps	Up to 48 Gbps	—	—	—
Buffer Size	768KB	1.536MB	2MB	9MB	9MB
Latency	3.83µs	3.83µs	1.88µs	1.2µs	1.2µs
Flash Memory	32MB	32MB	128MB	128MB	128MB
RAM	256MB	256MB	1GB	1GB	1GB
<b>Ports:</b>					
10/100/1000Base-T	24	48	1	2	2
1 GbE	4 (SFP, Combo)	4 (SFP, Combo)	—	—	—
10 GbE	Option	Option	24 (SFP+)	48 (SFP+)	48 (10GBASE-T)
Console Port	RS-232	RS-232	RS-232	RS-232	RS-232
<b>Power and Cooling:</b>					
Power consumption (W)	105	145	176	326	357
Power	150	150	350	400	600
Redundant Power/Cooling	—/—	—/—	Yes/Yes	Yes/Yes	Yes/Yes
Hot-swappable Redundant Power	—	—	Yes	Yes	Yes
Airflow	Side to Side	Side to Side	Front to Rear (SSE-X245) or Rear to Front (SSE-X245R)	Front to Rear (SSE-X3349S) or Rear to Front (SSE-X3348SR)	Front to Rear (SSE-X3348T) or Rear to Front (SSE-X3348TR)
<b>Features:</b>					
<b>Quality of Service and Diffserv</b>					
Priority Queues per port	8	8	8	8	8
Adjusted WRR and Strict Priority Scheduling	Yes	Yes	Yes	Yes	Yes
Layer 2 / 3 / 4 Prioritization	Yes	Yes	Yes	Yes	Yes
Marking	Yes	Yes	Yes	Yes	Yes
Metering / Rate Limiting	Yes	Yes	Yes	Yes	Yes
Max L2 LVLANS	1K	1K	4K	4K	4K
Max L3 LVLANS	128	128	128	128	128
Expansion Module Slots	2	2	—	—	—
Stacking (max units using modules)	8	8	—	—	—
Max MAC Entries	8K	8K	32K	128K	128K
Link Aggregation (Groups / Members)	24/8	24/8	24/8	24/8	24/8
Jumbo Frames (Bytes)	9K	9K	9K	9K	9K
IPv4 Routing	RIP/OSPF/BGP	RIP/OSPF/BGP	RIP/OSPF/BGP	RIP/OSPF/BGP	RIP/OSPF/BGP
IPv6 Routing	RIP/OSPF/RRD	RIP/OSPF/RRD	RIP/OSPF/RRD	RIP/OSPF/RRD	RIP/OSPF/RRD
Multicast Routing	PIM/IGMP/DVMRP	PIM/IGMP/DVMRP	PIM/IGMP/DVMRP	PIM/IGMP/DVMRP	PIM/IGMP/DVMRP
Port Mirroring - N to 1. Tx & Rx Configurab	Yes	Yes	Yes	Yes	Yes
Energy Efficient Ethernet (IEEE 802.3az)	No	No	No	No	Yes
<b>Security</b>					
Switch access password protection	Yes	Yes	Yes	Yes	Yes
Layer 2 / 3 / 4 Access Control List (ACLs)	Yes	Yes	Yes	Yes	Yes
RADIUS and TACACS+ Authentication	Yes	Yes	Yes	Yes	Yes
<b>Management</b>					
CLI (Console, Telnet, SSHv1/v2)	Yes	Yes	Yes	Yes	Yes
Web-based GUI	Yes	Yes	Yes	Yes	Yes
Multiple levels of user privileges (CLI and GUI)	Yes	Yes	Yes	Yes	Yes
Scripting	Yes	Yes	Yes	Yes	Yes
Command Completion	Yes	Yes	Yes	Yes	Yes
Context Sensitive "Help"	Yes	Yes	Yes	Yes	Yes
RMON Groups	Four: 1,2,3 and 9	Four: 1,2,3 and 9	Four: 1,2,3 and 9	Four: 1,2,3 and 9	Four: 1,2,3 and 9
Dual Firmware Images	Yes	Yes	Yes	Yes	Yes
Configuration File upload / download	Yes	Yes	Yes	Yes	Yes
Logging - syslog	Yes	Yes	Yes	Yes	Yes
USB for access to external memory card	No	No	Yes	Yes	Yes
<b>Expansion Module Options:</b>					
2-port 12 Gbps Stacking	Yes	Yes	—	—	—
2-port 10 GbE (CX4, XFP or SFP+)	Yes	Yes	—	—	—
<b>Physical</b>					
Chassis Height (RU)	1U	1U	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	1.7 x 17.3 x 18.6	1.7 x 17.3 x 18.6
Chassis Dimensions H x W x D (cm)	43 x 440 x 387	43 x 440 x 387	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)	16.7 lbs (7.58 kg)	18.1 lbs (8.18 kg)	20.3 lbs (9.22 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	0 - 47°C	0 - 45°C
Available Color	Black	Black	Black	Black	Black

For the most current product information, visit: [www.supermicro.com](http://www.supermicro.com)

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