

SUPERMICRO® Top-of-Rack Ethernet Switches

Partial List of Standards Supported

SSE-G24-TG4, SSE-G48-TG4, SSE-X24S/R, SSE-X3348S/R and SSE-X3348T/R

Feature	Standards
Layer 2 Switching	
VLAN	802.1Q – 1998
Port Based VLANs – Independent & Hybrid Learning	802.1Q – 1998
Port Protocol Based VLAN	802.1v
GVRP / GMRP Support	802.1D
Rapid Spanning Tree	802.1D 2004
Multiple Spanning Tree	802.1D 2004
IGMP Snooping v1/v2/v3	draft-ietf-magma-snoop-12.txt
Link Aggregation Control Protocol (LACP)	802.3ad
Link Level Discovery Protocol (LLDP)	802.1AB
Port Based Authentication	802.1X-Rev 2004
IPv4 Unicast Routing	
Static Routing	RFC 1812
RIP v1/v2	RFC 2453, 2091, 2082
OSPFv2	RFC 1765, 1793, 2328, 2370
BGPv4	RFC 1657, 1771, 1997, 2385, 2439, 2796, 2842, 2918, 3065
IPv4 Multicast Routing	
IGMP v1/v2/v3	RFC 3376
PIM-SM	RFC 2362
PIM-DM	draft-ietf-pim_v2_dm_03
DVMRP	draft-ietf-idmr_dvmrp_v3-05
IPv6 Unicast Routing	
RIPv6	RFC 2080
OSPFv3	RFC 2740
IPv6 Multicast Routing	
PIM- SM v6	RFC 2362
IPv4 Suite	
IPv4	RFC 791, 903, 951, 1293, 1519
TCP	RFC 793, 896
Telnet Server	RFC 854, 855, 856, 858
TFTP Client	RFC 1350
ICMP	RFC 2521, 1191, 1788, 792
ARP	RFC 826
UDP	RFC 768
Message Digest Algorithm	RFC 1321
RADIUS Client	RFC 2138
DHCP Client	RFC 2131, 2132
DHCP Server	RFC 2131
DHCP Relay Agent	RFC 2131

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IPv6 Suite	
IPv6	RFC 2460, 2373, 2462, 2464, 1981, 2463
ICMPv6	RFC 2463
Neighbor Discovery	RFC 2461
QoS and Diffserv	
Priority Based Switching	802.1p
Redundancy	
VRRP	RFC 2338
Management	
SNMP v1,v2,v3 (IPV4 & IPv6)	RFC 1155, 1157, 1212, 1213, 1215, 2089, 2578, 3411, 3412, 3413, 3414, 3415, 3416, 3417, 3584
HTTP Server	RFC 1945
SSL v3	RFC 2246
SSH	draft-ietf-secsh-architecture-12.txt,draft-ietf-secsh-transport-14.txt, draft-ietf-secsh-userauth-15.txt, draft-ietf-secsh-connect-15.txt
RMON	RFC 2819