

# Layer 2/3 Ethernet Switches

Enterprise-class performance with advanced switching capabilities in a 1U form factor.  
Highly cost-effective 1/10-Gigabit Ethernet Networking – Standalone or Top-of-Rack.



Rear View



Model	SSE-G48-TG4	SSE-G24-TG4
Port Attributes	<ul style="list-style-type: none"> <li>• 48 One Gigabit Ethernet ports</li> <li>- 48 RJ45 Copper ports</li> <li>- Four fiber SFP combo ports</li> <li>• Out-of-band RS-232 Management port</li> <li>• Up to four 10-Gigabit Ethernet uplinks</li> <li>• Up to two stacking ports</li> </ul>	<ul style="list-style-type: none"> <li>• 24 One Gigabit Ethernet ports</li> <li>- 24 RJ45 Copper ports</li> <li>- Four fiber SFP combo ports</li> <li>• Out-of-band RS-232 Management port</li> <li>• Up to four 10-Gigabit Ethernet uplinks</li> <li>• Up to two stacking ports</li> </ul>
Switching Capacity	• 184 Gbps	• 136Gbps
Stacking Performance	• Up to 48 Gbps	• Up to 48 Gbps
Power Consumption	• 145W	• 105W
Weight	• 13.7 lbs / 6.20 kg (w/ modules) 13.4 lbs / 6.06 kg (w/o modules)	• 12.6 lbs / 5.70 kg (w/ modules) 12.2 lbs / 5.54 kg (w/o modules)
Dimensions (WxDxH)	• 440 x 387 x 43mm (17.3" x 15.2" x 1.7")	
Availability	<ul style="list-style-type: none"> <li>• Spanning Tree (802.1D)</li> <li>• Rapid Spanning Tree (802.1w)</li> <li>• 802.1Q tagging, port and protocol based</li> <li>• Dynamic VLAN Support (GVRP)</li> </ul>	<ul style="list-style-type: none"> <li>• Multiple Spanning Trees (802.1s)</li> <li>• Virtual Redundant Routing Protocol (VRRP)</li> <li>• 1K Static VLANs</li> </ul>
VLAN		
Quality of Service and DiffServ	<ul style="list-style-type: none"> <li>• 8 priority queues per port</li> <li>• Adjusted WRR and Strict Priority Scheduling</li> <li>• Layer 2, 3, 4 Prioritization</li> </ul>	<ul style="list-style-type: none"> <li>• Marking</li> <li>• Metering / Rate limiting</li> </ul>
Switching Features	<ul style="list-style-type: none"> <li>• Link Aggregation - 24 groups with 8 members per group</li> <li>• LACP Support</li> <li>• Link Layer Discovery Protocol (802.1AB)</li> </ul>	<ul style="list-style-type: none"> <li>• Jumbo Frames up to 9KB</li> <li>• Port Mirroring – N to 1. Tx &amp; Rx Configurable</li> </ul>
Routing Features	<ul style="list-style-type: none"> <li>• Static Routing, RIP v1/v2, RIPvng, OSPF v1/v2/v3 and BGP</li> <li>• IPv4 and IPv6 Routing</li> </ul>	<ul style="list-style-type: none"> <li>• VRRP (Virtual Router Redundancy Protocol)</li> <li>• DVMRP (Distance Vector Multicast Routing Protocol)</li> <li>• PIM SM, PIM DM</li> <li>• PIM SMv6</li> </ul>
Multicast	<ul style="list-style-type: none"> <li>• IGMP Snooping v1, v2, v3</li> <li>• IGMP v1, v2, v3</li> </ul>	<ul style="list-style-type: none"> <li>• RADIUS and TACACS+ Authentication</li> <li>• SSH, SSL Encryption</li> </ul>
Security Features	<ul style="list-style-type: none"> <li>• 802.3x Port Based Authentication</li> <li>• Switch access password protection</li> <li>• Layer 2, 3, 4 Access Control Lists (256 rules)</li> </ul>	
Management Features	<ul style="list-style-type: none"> <li>• Web-based management interface – HTTP/HTTPS</li> <li>- Telnet</li> <li>- SNMP</li> <li>• Industry standard CLI with telnet, SSH, or local management port</li> <li>- Scripting capability</li> <li>- Command completion</li> <li>- Context-sensitive "Help"</li> </ul>	<ul style="list-style-type: none"> <li>• Multiple levels of user privilege (CLI and Web UI)</li> <li>• SNMP v1, v2, v3</li> <li>• Four RMON Groups - (1, 2, 3 and 9)</li> <li>• Logging – syslog</li> <li>• Dual firmware images</li> <li>• Configuration file - upload / download</li> </ul>
Operating Temperature	• 0 ~ 40°C	

**Options** (order at least one, maximum two with each SSE-G24-TG4 or SSE-G48-TG4)



**AOM-SSE-X2F**

Two-port XFP connector module for fiber connections



**AOM-SSE-X2S**

Two-port SFP+ connector module for copper or fiber connections and for stacking

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