Cisco Switch Comparison: Catalyst Series

Feature	Cisco Catalyst 9200 Series	Cisco Catalyst 9300 Series	Cisco Catalyst 9400 Series	Cisco Catalyst 9500 Series	Cisco Catalyst 1000 Series
Model	C9200-24T, C9200-48P, etc.	C9300-24T, C9300-48T, etc.	C9400-24Y4C, C9400-48Y4C, etc.	C9500-24Q, C9500-16X, etc.	C1000-24T, C1000-48T, etc.
Port Density	24, 48	24, 48	Modular (varies with chassis)	24, 48	8, 24, 48
Uplinks	4x1G, 4x10G	4x1G, 4x10G, 2x40G	Modular (1G, 10G, 25G, 40G, 100G)	2x40G, 4x40G, 8x10G	4x1G, 2x10G
Switching Capacity	Up to 160 Gbps	Up to 480 Gbps	Up to 9 Tbps	Up to 6.4 Tbps	Up to 88 Gbps
Forwarding Rate	Up to 120 Mpps	Up to 360 Mpps	Up to 4.8 Bpps	Up to 4 Bpps	Up to 95 Mpps
Stacking	Up to 8 switches (StackWise-160)	Up to 8 switches (StackWise-480)	N/A	Up to 8 switches (StackWise-Virtual)	N/A
Redundancy	Yes (StackPower, Power Redundancy)	Yes (StackPower, Power Redundancy)	Yes (N+N/N+1 Power Redundancy)	Yes (N+1 Power Redundancy)	No
Layer 3 Features	Basic (RIP, OSPF, EIGRP)	Advanced (RIP, OSPF, EIGRP, BGP)	Advanced (RIP, OSPF, EIGRP, BGP, IS-IS)	Advanced (RIP, OSPF, EIGRP, BGP)	Basic (RIP, OSPF)
PoE/PoE+	Yes (PoE/PoE+)	Yes (PoE/PoE+)	Yes (PoE/PoE+)	Yes (PoE/PoE+)	Yes (PoE/PoE+)
Cloud Management	No	No	No	No	Yes (Meraki Cloud Management)
Security Features	Basic (ACLs, 802.1X)	Advanced (ACLs, 802.1X)	Advanced (ACLs, 802.1X, TrustSec)	Advanced (ACLs, 802.1X, TrustSec)	Basic (ACLs, 802.1X)
Quality of Service (QoS)	Basic	Advanced	Advanced	Advanced	Basic Entry-level switches
Modularity	Fixed	Fixed	Modular	Fixed	Fixed
Use Case	Access Layer	Access and Aggregation Layers	Core and Distribution Layers	Core and Distribution Layers	Small to Medium-sized Networks