

# Lenovo CE Series Campus Switches

## High-performance campus networking

### Advanced Capabilities, Cost Effective

The Lenovo CE Series Switches are intelligent L2/L3 Gigabit Ethernet (GbE) campus switches, designed for energy efficiency and quiet operation in office, retail, hospital, and small data centers.

They provide performance, availability, scalability, security, and simple management for campus networks and intranets while reducing your total cost of ownership.

The CE Series Campus Switches include two models with PoE / PoE+ and two models without PoE / PoE+, giving you the choice of how you want your edge devices powered. You can also choose models that have 24 or 48 Gigabit downlink ports along with four 10GbE SFP+ uplink ports.

### Secure and Easy to Deploy

The switches support 802.1X and web authentication modes concurrently. 802.1X mode enforces strict security control while web authentication offers a more user-friendly experience.

Together they fulfill the needs of many applications using ACL, TACACS, and Radius with QoS to manage access and flow.

The switches are easy to deploy and manage using mainstream network management modes and protocols for minimized investment costs. Web NMS also simplifies device management.



Lenovo CE Series Campus switches support SNMP, RMON, and sFlow, and are controlled and managed using Web and CLI. Stacking support for 8 members reduces the number of management connections and simplifies configuration.

### Layer 2 and Layer 3

A full suite of interconnect and routing features such as QinQ, IPv6 support, DHCP with IGMP snooping, IGMPv1/v2/v3, PIM DM/SM, DVMRP, MLD v1/v2, including multiple MAC options, VLAN, DHCP relay and RIP, OSPF, VRRP, and more to ensure a no-compromise campus networking plan.

### Power over Ethernet

IoT growth is driving PoE demand as devices become more distributed. Lenovo CE Series PoE+ models deliver a full range of Ethernet power levels to make the most economical use of power budgets—providing power to attached network devices such as cameras, wireless access points, or IP phones.

### About Lenovo

Lenovo (HKSE: 992) (ADR: LNVGY) is a US\$45 billion Fortune 500 company and a global technology leader in driving Intelligent Transformation. Lenovo's data center solutions (ThinkSystem, ThinkAgile) are creating the capacity and computing power that are changing business and society.

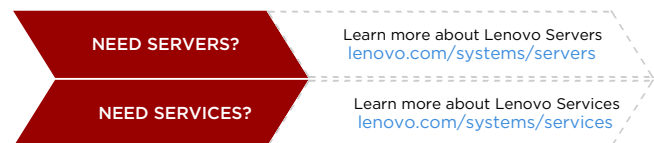
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## Specifications

	CE0128TB	CE0128PB	CE0152TB	CE0152PB
Performance	Capacity: 128Gbps, Throughput: 95Mpps	Capacity: 128Gbps, Throughput: 95Mpps	Capacity: 176Gbps, Throughput: 130Mpps	Capacity: 176Gbps, Throughput: 130Mpps
Interface Configuration	24x 1GBase-T, RJ45 4x 10GbE SFP+	24x 1GBase-T, RJ45 4x 10GbE SFP+	48x 1GBase-T, RJ45 4x 10G SFP+	48x 1GBase-T, RJ45 4x 10G SFP+
PoE	No	Yes	No	Yes
PoE / PoE+ Budget	Not applicable	Power Budget 184W Class 1, 2 Up to 24 ports Class 3 Up to 12 ports PoE+ Up to 6 ports	Not applicable	Power Budget 370W Class 1, 2 Up to 48 ports Class 3 Up to 24 ports PoE+ Up to 12 ports
Power Maximum	25.5W	235.6W (with PoE)	49.1W	475.5W (with PoE)
Latency	4μs for 1G ports, 2μs for 10G ports			
Cooling	Fixed, side-to-side airflow			
Switching Features	ARP/Proxy ARP; Sticky MAC; MAC limiting; multicast MAC 1K; Jumbo Frame (9K); 802.3 flow control, auto-negotiation; energy-efficient Ethernet; GVRP; GARP; GMRP; MVR Port Isolation; LLDP, LLDP-MED; IDSP, UDLD; Port loop detection; Port security; STP/MSTP/RSTP/PVSTP; Ethernet Channel/LACP; VLAN ID: 4094; Subnet Based VLAN/MAC Based VLAN/Port Based VLAN/Protocol based VLAN/Voice VLAN/Private VLAN; Switchport mode (Access/General/Trunk); QinQ; DA; Link dependency to support active/standby configurations of NIC teaming on servers; Broadcast/Multicast/Unicast storm control and recovery			
Routing Features	IPv4 static route (512); IPv6 static route (512); VLAN interface (L3, 192); IP interface (192); RIP v1/v2; OSPF v1/v2/v3; VRRP for IPv4 and IPv6; BFD with OSPF; DHCP server for IPv4 and IPv6; DHCP snooping for IPv4 and IPv6; DHCP client option 60/61; DHCP L2 Relay (option 82) per VLAN or per 802.1d subscription; DHCP auto install; IP source guard; IPv6 neighbor discovery; PBR (IPv4/IPv6); DNS Client (IPv4/IPv6); IP SLA			
Multicast Features	IGMP v1/v2/v3; IGMP snooping v1/v2/v3; IGMP Filter; Fast Leave; MLD v1/v2; MLD proxy; MLD snooping; IGMP proxy; IPv6 multicast; Multicast route; PIM-DM (IPv4/IPv6); PIM-SM (IPv4/IPv6); DVMRP; IGMP query; IGMP/MLD snooping Querier			
Security and ACL and QoS	Port-based ACL; MAC-based ACL; VLAN-based ACL; IP-based ACL; L2-L4 ACL; 802.1p; IP DSCP marking; WDRR; SP; IPv4/v6 ACL metering; hardware CPU protection; ACL based traffic classification and processing; 802.1X; TACACS and AAA; Radius and AAA			
Management/Infrastructure	SNMP v1/v2/v3; CLI; WebGUI; SNMP; SCP/SFTP; HTTPs; Telnet; Port mirroring; Flow based mirroring; sFlow; RMON 1,2,3,9; SPAN/RSPAN; Email alerts; Stacking (8 members), third-party management support planned, check the product guide for latest			
Software	Lenovo Campus NOS			
Warranty	Limited lifetime warranty or 3-year warranty are offered, next-business-day shipment			
Warranty Upgrades and Services	Optional warranty service upgrades available through Lenovo: Foundation Service providing 9x5 coverage with next-business-day onsite response, Essential Service providing 24x7 coverage with 4-hour onsite response (select countries), Advanced Service providing 24x7 coverage with 2-hour onsite response (select countries), 1-year or 2-year post-warranty extensions, Premier Support Service (select countries), and basic installation services			

## For More Information

To learn more about the Lenovo CE Series Switches, contact your Lenovo representative or Business Partner, or visit [lenovo.com/networking](https://lenovo.com/networking). For detailed specifications, read the Campus Switch [product guides](#).



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