Cisco Catalyst 1000 Switches

Enterprise quality for small deployments

The Catalyst 1000 series switch platform from Cisco provides a range of options and port combinations to suit any small business requirement. Its compact, fanless design allows the units to be stacked to minimise the required footprint – essential if office space comes at a premium. While Power over Ethernet (PoE) provides the performance that modern SMBs need to scale with ease.

Today's small business needs

Every business strives to grow, and when a business grows, it needs a reliable network that enables it to scale rather than hold back its ambitions.

In particular, emerging enterprises are looking at how to better manage their business as a whole and allocate the resources they have intelligently – ideally to do more and get the most out of their current investments. They're looking to reduce risk and complexity within their IT infrastructure to give the business agility and enable it to respond quickly to the changing market conditions.

Top of the growth agenda, small businesses want to be:

- **Reactive:** responding to their customers and new opportunities.
- **Efficient:** having a systematic approach to solve issues while maintaining business-as-usual.
- **Proactive:** automating repetitive tasks for more efficient IT management.

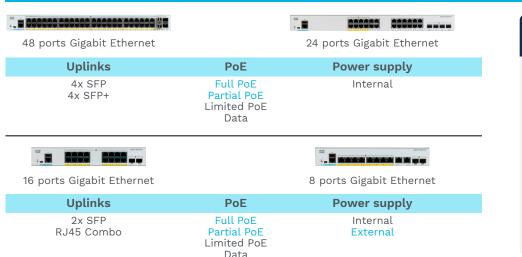# Introducing the Catalyst 1000 family of switches

As part of its dedication to smaller businesses, Cisco has launched a new family of switches that are sized for emerging organisations. The Catalyst 1000 series raises the standard for essential network access to a position where IT becomes an enabler.

Catalyst 1000 are enterprise-class Layer 2 switches, which are specifically designed for small businesses and branch offices. They operate on Cisco IOS software and support simple device and network management via a Command-Line Interface and on-box web UI.

With IT being of strategic importance, Tech Data can now offer you access to this new family of switches, enabling you to design the flexible networks that enable your small business clients to scale simply and securely.

Next generation of simple access switches for small to midsize deployments

48 ports Gigabit Ethernet

Uplinks	PoE	Power supply
4x SFP 4x SFP+	Full PoE Partial PoE Limited PoE Data	Internal

24 ports Gigabit Ethernet

16 ports Gigabit Ethernet

Uplinks	PoE	Power supply
2x SFP RJ45 Combo	Full PoE Partial PoE Limited PoE Data	Internal External

8 ports Gigabit Ethernet

Cisco® Catalyst® 1000 Series highlights

- Fanless*, compact form factor
- Cisco IOS® Software
- Over the air (OTA) with Bluetooth
- Perpetual PoE
- Managed with CLI or WebUI
- Horizontal stacking
- Basic Layer 3
- Trustworthy solutions
- IPv6 First Hop Security
- Environmental resiliency

The benefits

Simple, so businesses can do more, easier and faster

Often, small businesses don't have the luxury of experienced, dedicated IT professionals to keep their networks running, which is why they need the help of a trusted partner like you.

Offering more throughput and power to meet the growing demands for connectivity from a wider array of smart devices, the Catalyst 1000 series can be configured and managed over the air with bluetooth. Run on classic Cisco IOS, the switches can be configured with an intuitive on-box web UI, making management simple and easy.

The Catalyst 1000 series include features, such as...

- **Cisco Configuration Professional:** providing easy setup, provisioning, upgrades and troubleshooting.

- **Bluetooth connectivity:** by pairing the switch to a computer, it's simple to access the user interface if the unit is tucked away somewhere that's hard to reach.

- **Automatic switch recovery:** configure the switch to recover from the error-disabled state after the specified period.

The benefits

Flexible, so small businesses can allocate resources intelligently

Small businesses need to be agile so they can react quickly to changing customer or market demands, able to allocate resources in different ways as their business grows.

Catalyst 1000 switches fit a host of use cases and offers a greater PoE budget, which means you can run more devices per port, and in the event of a reboot ensures that connected devices retain power. Compact, fanless, and with horizontal stacking options, the Catalyst 1000 series doesn't need to be placed in a wiring closet, so is suited to a range of networking environments.

The Catalyst 1000 series include features, such as...

- **Increased options:** available with 8, 16, 24 and 48 ports, there's greater flexibility to allow for more deployment scenarios.

- **Perpetual PoE:** enabling 'plug and play' installation for numerous Internet of Things devices, by automating the configuration through the switch.

- **Slick design:** compact, fanless, with PoE for deployment inside or outside the wiring closet and horizontal stacking for single IP management.

The Catalyst 1000 series include features, such as...

- **Expanded support for VLANs:** network administrators can segment traffic to keep networks secure while meeting multiple requirements for connectivity.

- **Advanced security features:** including 802.1x authentication and IPv6 First Hop Security, which offer additional protection.

- **Superior Layer 2 threat defence capabilities:** perfect for mitigating the risk of man-in-the-middle attacks, such as MAC, IP, and Address Resolution Protocol spoofing.

Secure and reliable, so small businesses can grow with confidence

Hackers are becoming increasingly sophisticated in their methods, and with 60% of small businesses failing within 18 months of being hacked, security is a major concern and business priority.

Running on the classic Cisco IOS, which is one of the most hardened networking operating systems ever released, Catalyst 1000 switches have robust security built in. Preventing unauthorised users from accessing the network, they offer enhanced security to guard the network against threats, protecting the IT infrastructure and securing data against a breach.

Where the Catalyst 1000 family fits in

When your small business clients are demanding flexibility and simplicity within their network, which allows them to scale with ease, Cisco has you covered.

Comparing Cisco Catalyst volume access switches

Emerging business
Simplicity and Flexibility

Enterprise midmarket
Automation and Assurance

Suited for lean IT
Up to 100 users

More customizable for power users
Up to 250 users

Foundation of intent-based networking
Up to 1000 users

Cisco® Catalyst® 1000 Series smart managed

- Web managed UI with limited CLI
- Full PoE
- OTA Bluetooth
- 802.1X authentication, ACLs
- Static routing

Cisco Catalyst 1000 Series fixed managed

- Full CLI featuring Cisco IOS® Classic
- Full PoE and Perpetual PoE
- Front panel stacking
- AutoQoS
- Multicast IGMP Snooping, MLD Snooping, IP Source Guard, private VLANs
- Cisco DNA Center supported

Cisco® Catalyst® 9200 Series

- Full CLI with Cisco IOS® XE
- Back stacking
- Full PoE+
- Cisco SD-Access fabric edge
- Modular uplinks (1G and 10G)
- Redundant fans and power supplies
- Cisco Unified Access® Data Plane (UADP) 2.0 mini ASIC
- Cisco DNA Center managed

Specifically designed for emerging enterprises requiring scalability, Catalyst 1000 switches provide flexibility, simplicity, and security for deployments of up to 250 users. Businesses of this size typically have no dedicated IT team and suffer with budget constraints, which is why they need you and the additional value that Cisco delivers.

It may be that your customers have already invested in Cisco switches, such as the Catalyst 2960 L or 2960. Encourage them to upgrade to the new Catalyst 1000 family and take advantage of Cisco's improved hardware that delivers an increased PoE budget, more advanced software options and expanded support for Access Control Lists.

Where does Catalyst 1000 fit in best?

Emerging businesses & networks in transition

- Education
- Small Office
- Retail
- Hospitality

To find out more about the new Catalyst 1000 family of switches, please contact your Tech Data Account Manager.