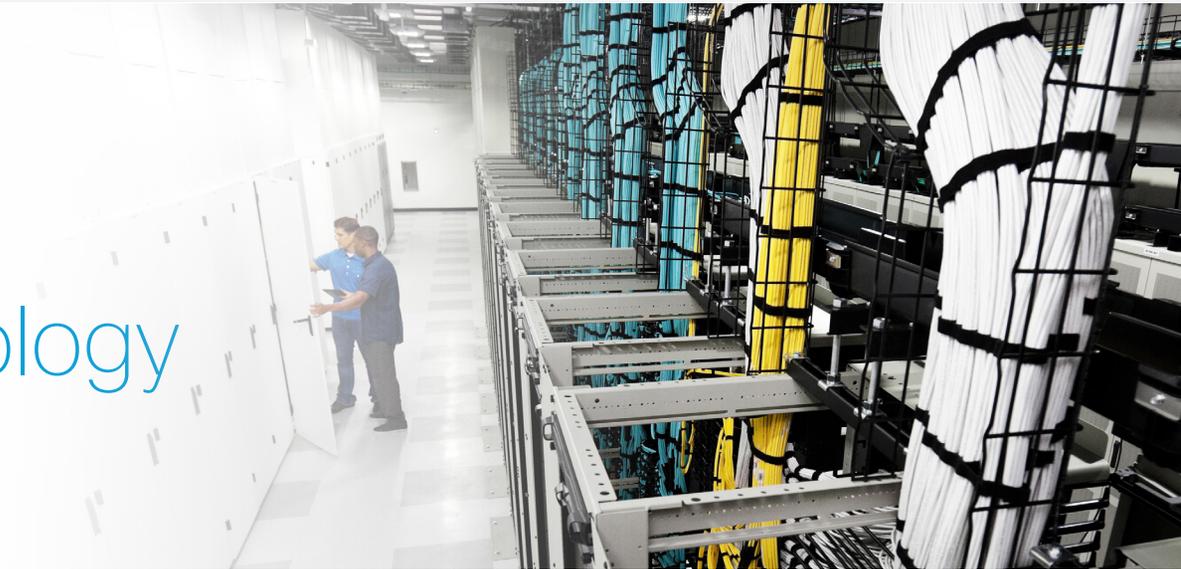


Cisco Catalyst Multigigabit Technology



Benefits

- **Increase network bandwidth and speed** without running multiple cables between switches and access points.
- **Lower operational costs** by getting more performance out of existing cabling infrastructure.
- **Power devices that require up to 60W**, at speeds over 1 Gbps, even at 10G Base-T rates.

Keep Up with Network Demands Quickly and Easily

In the next few years data traffic will grow ten-fold and the growth is driving new wireless standards.* With 802.11ac Wave 2, wireless data rates are exceeding the capacity of your wired infrastructure. Your traditional Ethernet infrastructure can support speeds up to 1 Gigabit per second (Gbps), but competing today requires much more capacity. One option is completely replacing your legacy cabling infrastructure and upgrading your hardware. But wouldn't it be better to increase network speed and traffic capacity in a way that's quick, inexpensive, and efficient?

Our new Cisco Catalyst Multigigabit Technology switches offer just that: an easy-to-deploy, budget-friendly solution that allows you to increase network speed and bandwidth using your existing cables. By partnering with other industry leaders to form the NBASE-T Alliance, Cisco uses NBASE-T technology to help you get more out of your existing infrastructure. Save time and money by avoiding upgrades and extending the life of your installed cable plants. And discover the benefits of meeting consumer demand for increased bandwidth and speeds without a large initial investment.

Table 1. Cisco Catalyst Multigigabit Technology Supports New Intermediate Network Speeds

Cable	1 Gbps	2.5 Gbps	5 Gbps	10 Gbps
Category 5e	✓	✓	✓	Not supported
Category 6	✓	✓	✓	✓ (55m)
Category 6a	✓	✓	✓	✓

Cisco Next-Generation Mobility Campus-Ready Portfolio

Cisco Catalyst Multigigabit Technology uses capabilities in your existing cabling infrastructure to meet bandwidth requirements of 802.11ac Wave 2 and provide up to five times the performance. The technology enables intermediate data rates of 2.5 and 5 Gbps to ease the jump between traditional rates of 1 Gbps and 10 Gbps. These intermediate rates run on the majority of installed cables and preserve legacy UTP wiring.

The technology also supports Power over Ethernet (PoE) forms, including PoE+ and UPOE. Cisco Catalyst Multigigabit Technology switches help you avoid having to run multiple cables between switches and access points and let your networks welcome next-generation traffic speeds and data rates.

Cisco Catalyst Multigigabit Technology Switches along with Cisco Aironet® Access Points provide an end-to-end solution that allows to meet your growing IT demands.

The Cisco Multigigabit Portfolio includes:

- **Cisco Catalyst 4500E Series Switches:** Modular switches with up to 96 Multigigabit ports
- **Cisco Catalyst 3850 Series Switches:** Stackable switches with 12 or 24 Multigigabit ports
- **Cisco Catalyst 3650 Series Switches:** Stackable switches with 8 or 12 Multigigabit ports
- **Cisco Catalyst Catalyst Compact Switches:** 8-port switch with 2 Multigigabit Ethernet ports
- **Cisco Aironet 3800 Series Access Points:** 802.11ac Wave 2 with multiuser MIMO (MU-MIMO)

Next Steps

For more information about integrating Cisco Catalyst Multigigabit Technology switches into your network, visit <http://www.cisco.com/go/multigigabit>.