

Overview

The Cisco 1548 Micro Switch 10/100 (hereafter referred to as “the switch”) is part of the Cisco Networked Office stack, which is a family of small-office networking platforms. It is a desktop Fast Ethernet switch supporting small workgroups operating at either 10 Mbps or 100 Mbps and in either half- or full-duplex mode.

Table 1-1 describes the features of the switch. Figure 1-1 describes the front panel LEDs. Figure 1-2 describes the back panel LEDs and components.

Table 1-1 Feature Summary

Feature	Description
Autosensing ports	Eight fixed ports (RJ-45 connectors) automatically negotiate with the connected network device to operate at either 10 Mbps or 100 Mbps. You can connect any combination of 10BaseT or 100BaseTX network devices to the switch. You connect the switch and network device with 10BaseT or 100BaseTX Ethernet cable, as appropriate. For more information on this feature, refer to the “Autonegotiation” section in Appendix A, “Concepts.”
Autonegotiation of half- and full-duplex mode	Each port automatically negotiates with the connected network device to operate in either half- or full-duplex mode. For more information on this feature, refer to the “Half- and Full-Duplex Mode” section in Appendix A, “Concepts.”
Store-and-forward switch mode	The switch stores each incoming packet in memory and then forwards the packet to the appropriate port for delivery.
Maximum forwarding bandwidth	The switch has a maximum forwarding bandwidth of 800 Mbps.

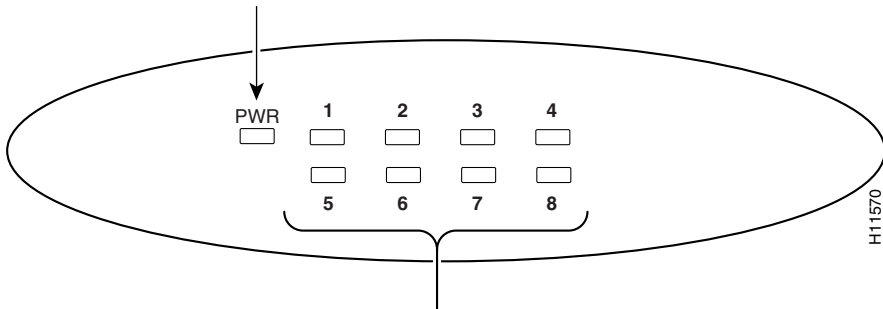
Table 1-1 Feature Summary (Continued)

Feature	Description
Maximum capacity	The switch has a maximum capacity of 100 Mbps.
Maximum forwarding rate	The switch has a maximum forwarding rate of over 1,180,000 packets per second.
Filtering forwarding rate	The switch has the following filtering forwarding rate: <ul style="list-style-type: none">• 14,880 packets per second for 10BaseT• 148,800 packets per second for 100BaseTX
Supported addresses	The switch supports 2048 source and destination addresses.
LEDs	The front panel LEDs show the status of the switch and its individual ports. The back panel LEDs show the status of each port connection.
Internal power supply	The switch does not need an external power supply.
Standards conformance	The switch complies with IEEE 802.3 10BaseT and IEEE 802.3u 100BaseT standards.

Figure 1-1 Front Panel LEDs

PWR

Solid green – Cisco 1548 Micro Switch 10/100 has power.
Off – Cisco 1548 Micro Switch 10/100 does not have power.



Switch port status

Solid green – Network device is correctly connected to the switch through this port.
Blinking green – Data is sent or received through this port. Blinking speed corresponds to the amount of data being sent or received.
Off – No connection to network device.

Figure 1-2 Back Panel LEDs and Components

