

Cisco Aironet 340 Series Wireless LAN Solution Product Overview

Aironet 340 Series Product Family

The Aironet 340 Series is a comprehensive, integrated family of access points, and easy-to-install PC Card, PCI and ISA client adapters, Ethernet clients, as well as line-of-sight outdoor bridges. Client driver support includes Windows 95, 98, Windows NT 4.0, Windows 2000, and Novell Netware. The Aironet 340 Series access points can serve as the center point of a stand-alone wireless network or as the connection point between wireless and wired 10/100 Ethernet networks. The Aironet wireless bridge products provide point-to-point or point-to-multipoint connections between buildings as much as 25 miles line away. For Ethernet-equipped devices without an expansion bus, Cisco provides Ethernet client and multi-client adapters that support up to four MAC addresses for support of multiple Ethernet-equipped devices using an inexpensive Ethernet hub. As part of the Aironet 340 series, Cisco offers a wide range of antennas, cable and accessories, enabling customized deployments to suit the specific needs of varying applications.

Cisco Aironet 340 Series Client and Ethernet Adapters

The Cisco Aironet 340 Series client and Ethernet adapters provide seamless, secure connectivity to the network for a wide range of client devices, including laptop PCs and select handheld devices, desktop PCs and Ethernet-equipped devices without an expansion bus. The adapters deliver an Ethernet-like data rate of 11 Mbps providing the performance needed for mainstream business applications, including voice over IP, video and other bandwidth intensive applications. Cisco Aironet adapters feature simple installation and rugged antennas that provide the range and reliability for use in the largest indoor facilities. An external Ethernet client adapter allows any 10Base-T capable device to be networked into the wireless LAN extending mobility to virtually any computer.

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Cisco Aironet 340 Series Access Points

The Cisco Aironet 340 Series Access Points comprise an 11 Mbps LAN transceiver that functions as a bridge between a wireless network and wired network, or as a hub of a standalone wireless network. The Aironet Access Points provide enterprise and small and medium business customers with flexible configuration, robust management capabilities and interoperability with other IEEE 802.11b-compliant WLAN products. Featuring easy integration to a wired network backbone, the Aironet 340 Series Access Points provide support for both Ethernet and Fast Ethernet backbones with an autosensing 10/100 Mbps RJ-45 interface. With wireless enabled client PCs and Cisco's innovative roaming capability provided by the Aironet Access Points, users with laptop, notebook, and handheld devices can move freely within a campus environment while maintaining uninterrupted access to local servers and the Internet.

Cisco Aironet 340 Series Wireless Bridges

The Cisco Aironet 340 Series of wireless Ethernet bridges provide cost-effective 11Mbps links for enterprises that need to link separate facilities at line of sight distances from 1000 feet to 25 miles. The Aironet bridges are easy to install and configure, and provide point-to-point and point-to-multipoint connectivity. The wireless bridges are not affected by bad weather and require no government license. Other features include support for IEEE 802.1d Spanning Tree protocol and advanced diagnostics to simplify troubleshooting.

Cisco Aironet 340 Series Antennas and Accessories

To accommodate the requirements of a variety of WLAN applications, Cisco offers a wide range of FCC-approved directional and omnidirectional antennas, low-loss cable, mounting hardware and other accessories.

Cisco Aironet wireless client adapters come with standard antennas that provide sufficient range for most applications at 11Mbps. To extend the transmission range, a variety of optional, higher gain antennas are offered.

Cisco Aironet access point antennas are compatible with all Cisco RP-TNC-equipped access points. The antennas are available with different gain and range capabilities, beam widths, and form factors. Combining the right antenna with the right access point allows for efficient coverage in any facility , and delivers better reliability at high data rates.

Cisco Aironet bridge antennas allow for long distance transmission between two or more buildings. These antennas are available in directional configurations for point-to-point transmission and omnidirectional configuration for point-to-multipoint implementations.

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