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# Cisco Aironet Hardware Association Matrix

**To get Cisco Aironet drivers, firmware and utility software, follow this link to the Cisco Wireless Software Center.**

# Introduction

When you design or operate a Wireless LAN, consider the hardware components capacity to form an association with other elements of the network. This document describes in simple format the association capabilities of each Cisco Aironet component.

# Prerequisites

## Requirements

There are no specific prerequisites for this document.

## Components Used

This document is applicable to all Cisco Aironet hardware and software versions.

## Conventions

For more information on document conventions, refer to the Cisco Technical Tips Conventions.
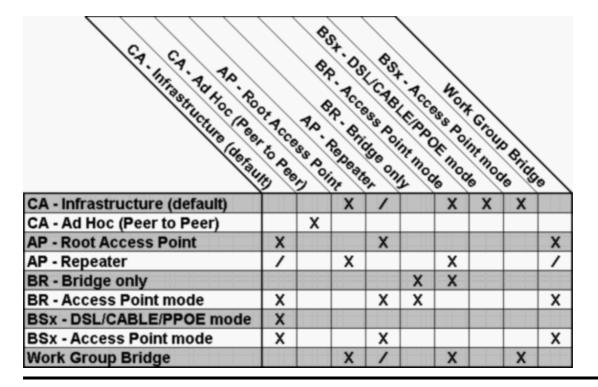
# Association Matrix

## Use the Matrix

This matrix considers the configurable capabilities of the different Cisco Aironet components. For example, because the Cisco Aironet Client Adapter card can be configured to work in either Infrastructure mode or in Ad Hoc mode, there is a column and row for each mode.

To determine whether two particular Cisco Aironet components can form an association, choose one of the components from the columns across the top of the matrix and choose the other from the rows listed along the left side of the matrix.

If the two components can form an association, there is an X where the selected column and row intersect. A blank space indicates an inability to associate.

## Matrix and Legend

```
CA = Client Adapter
AP = Access Point
BR = Ethernet Bridge
BSx = Base Station
X = association possible
/ = association possible if repeater is associated to "root" AP
```

| | CA - Infrastructure (default) | CA - Ad Hoc (Peer to Peer) | AP - Root Access Point | AP - Repeater | BR - Bridge only | BR - Access Point mode | BSx - DSL/CABLE/PPOE mode | BSx - Access Point mode | Work Group Bridge |
|---|---|---|---|---|---|---|---|---|---|
| CA - Infrastructure (default) | | | X | / | | X | X | X | |
| CA - Ad Hoc (Peer to Peer) | | X | | | | | | | |
| AP - Root Access Point | X | | | X | | | | | X |
| AP - Repeater | / | | X | | | X | | | / |
| BR - Bridge only | | | | | X | X | | | |
| BR - Access Point mode | X | | | X | X | | | | X |
| BSx - DSL/CABLE/PPOE mode | X | | | | | | | | |
| BSx - Access Point mode | X | | | X | | | | | X |
| Work Group Bridge | | | X | / | | X | | X | |

# Related Information

- **Wireless Technology Tech Notes**
- **Aironet 340 Series Wireless LAN Products**
- **Aironet 350 Series Wireless LAN Products**
- **Cisco Software Center for Wireless Products**
- **Technical Support – Cisco Systems**