



## Miscellaneous AP-Specific Configurations

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This chapter contains miscellaneous configurations that are specific to certain access points.

### Cisco Aironet 700W Series

#### Using the LAN ports on 700W APs

The Cisco Aironet 700W series access points have one 10/100/1000BASE-T PoE Uplink/WAN port and four 10/100/1000BASE-T RJ-45 local Ethernet ports for wired device connectivity. The fourth port functions as a PoE-Out port when the AP is powered by 802.3at Ethernet switch, Cisco power injector AIR-PWRJ4=, or Cisco Power Supply.

By default, all four local Ethernet ports are disabled. You can enable them when required.

You can also configure the local Ethernet ports to a VLAN ID using the interface configuration command, `vlan vlan-id`.

#### Enable LAN ports on 702W

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**Step 1** Enter global configuration mode.

```
ap#conf t
Enter configuration commands, one per line. End with CNTL/Z.
```

**Step 2** Enable the LAN port.

```
ap(config)#lan-Port port-id 1
ap(config-lan-port)#no shutdown
ap(config-lan-port)#end
```

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#### Assign a VLAN to the LAN ports

Use the commands given in the example below.

```
ap#conf t
Enter configuration commands, one per line. End with CNTL/Z.
ap(config)#lan-Port port-id 1
ap(config-lan-port)#vlan 25
ap(config-lan-port)#end
```

## Verifying the LAN Port Configurations

Use the command given in the example below.

```
voip#sh lan config
```

```
LAN table entries:
```

Port	Status	Vlan valid	Vlan Id
LAN1	DISABLED	25	NA
LAN2	ENABLED	NO	NA
LAN3	DISABLED	NO	NA
LAN4	ENABLED	NO	NA

LAN POE out state = ENABLED

## 700W AP as Workgroup Bridge

Like other Cisco Access points 702W AP series also can be configured as a Workgroup Bridge (WGB).

A WGB can provide a wireless infrastructure connection for Ethernet-enabled devices. Devices that do not have a wireless client adapter in order to connect to the wireless network can be connected to the WGB through the Ethernet port.

The WGB supports up to 20 Ethernet-enabled devices to a Wireless LAN (WLAN). The WGB associates to the root AP through the wireless interface. In this way, wired clients obtain access to the wireless network. A WGB can associate to:

- An AP
- A root bridge (in AP mode)
- A controller through a lightweight AP

When a Cisco 702W access point acts as a WGB, the wired Ethernet clients behind the WGB can be either connected to the LAN or WAN ports present on the 702W AP.