

Wireless - Canopy (AP)

Version 1.2

This probe monitors a Canopy wireless access point (AP), including basic information, traffic information, and the number of clients associated. It places the device into alarm or warning based on user-defined thresholds for the number of clients.

Thresholds:

Alarms:

Too many clients: User-defined (> 200)

Too few clients: User-defined (< 0)

Warnings:

Many clients: User-defined (> 150)

Few clients: User-defined (< 0)

Version: Included with WISPerMapper 4.3. Part of bundle 1.1. Requires InterMapper 4.2.1 or later.

License: IMWirelessAddon (WISPerMapper wireless device)

Supported Equipment: Canopy AP

Community String: By default, Canopy radios use the default read-only community "Canopy". SNMP community strings are case-sensitive.

Polling Rate: For stability reasons, we recommend a polling interval of 5 minutes or more.

SNMP v2c: This probe uses SNMP v2c, required by Canopy radios. (On auto-discovery, these devices will default to ping.)

Glossary of Terms:

Num. Clients: This is the number of clients registered with the AP. (OID: regCount)

RF Frequency: This is the radio frequency of the AP. If the value is 0, InterMapper will display "Wired". (OID: rfFreqCarrier)

Sync. Signal: This value displays the method used for sync on the AP. The values can be "Self", "Power Port", or "Timing Port". (OID: based on gpsInput)

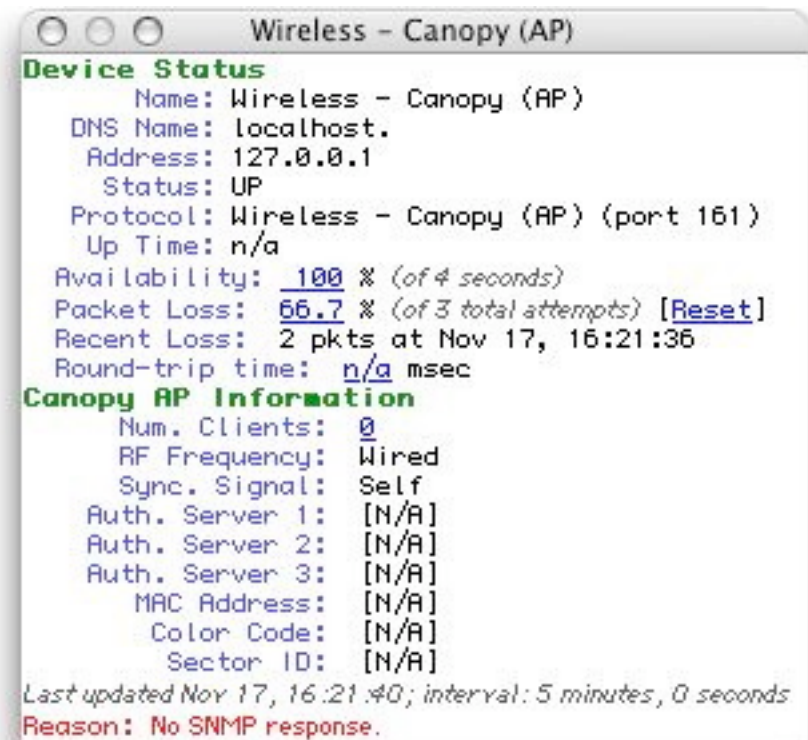
Auth. Server: These values display the IP address of the Authentication Servers associated with this AP. (OIDs: ASLP1, ASLP2, ASLP3) **Original probe incorrectly displayed all three as ASLP1, fixed in 1.2.**

MAC Address: This is the MAC address or ESN of the AP. (OID: ESN)

Color Code: The Color Code is used to distinguish networks operating on the same frequency, or serve as an organizational configuration for wireless networks. (OID: colorCode)

Sector ID: This is a code to distinguish multiple APs collectively covering an area. (OID: sectorID)

Related Probe: Canopy SMs should use the related "Canopy (SM)" probe. When a Canopy AP is present using the "Canopy (AP)" probe, the "Canopy (SM)" (version 1.1) will be able to use information from the AP.



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Device Status
  Name: Wireless - Canopy (AP)
  DNS Name: localhost.
  Address: 127.0.0.1
  Status: UP
  Protocol: Wireless - Canopy (AP) (port 161)
  Up Time: n/a
  Availability: 100 % (of 4 seconds)
  Packet Loss: 66.7 % (of 3 total attempts) [Reset]
  Recent Loss: 2 pkts at Nov 17, 16:21:36
  Round-trip time: n/a msec
Canopy AP Information
  Num. Clients: 0
  RF Frequency: Wired
  Sync. Signal: Self
  Auth. Server 1: [N/A]
  Auth. Server 2: [N/A]
  Auth. Server 3: [N/A]
  MAC Address: [N/A]
  Color Code: [N/A]
  Sector ID: [N/A]
Last updated Nov 17, 16:21:40; interval: 5 minutes, 0 seconds
Reason: No SNMP response.
```