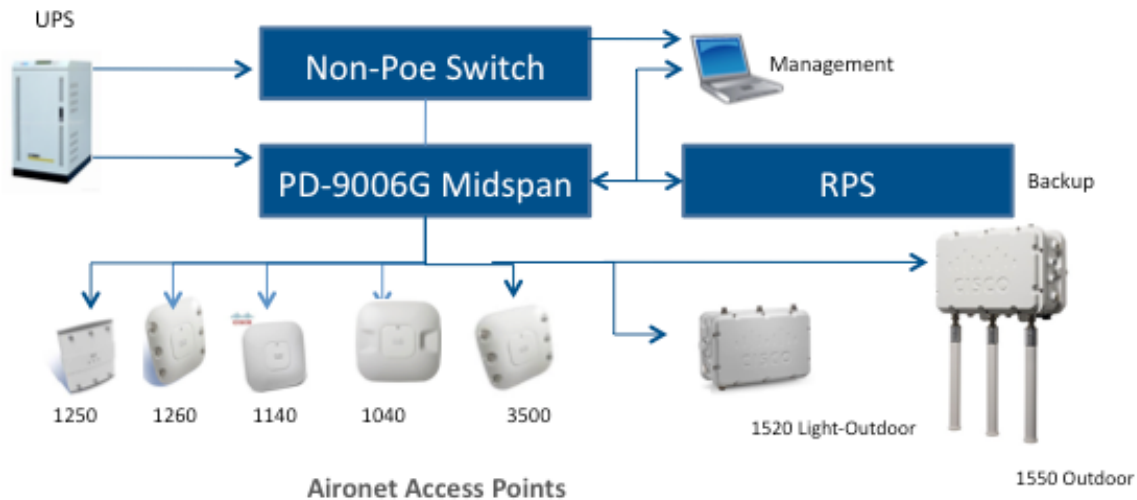


Cisco Access Points Solution Guide

PowerDsine® PoE Solutions for Cisco's IEEE802.11n Access Points

Cisco's Access Points Solution Architecture



Switch to PoE

PowerDsine PoE midspans, by Microsemi® power Cisco IEEE 802.11n access points without replacing the Ethernet switch. Together with its power management application, PowerView Pro, PowerDsine midspans deliver enterprise class features:

- Up to 72W of Power over Ethernet
- 10/100/1000 Mbps data transfer rates
- Cost savings in AC outlet and cabling installation
- Plug and play installation eliminates need for network reconfiguration
- Remote reboot improves maintenance service times
- On/off power scheduling reduces power consumption
- UPS connectivity provides guaranteed uptime to protect against data loss

PowerDsine Midspans deliver Power over Ethernet through existing non-PoE Switch: providing scalability, flexibility and system reliability.

PoE Midspan Systems

PowerDsine 9500G Midspan family

The PowerDsine EEPoE 9500G family is our highest power, most energy efficient midspan family, delivering up to 72W of power per port using all 4 pairs of cable. PD-9500G enterprise class midspan devices are compliant with IEEE802.3at standard, support Gigabit rates and are available in a single port device, plus 6 and 12 port models.

PowerDsine 9000G Midspan family

The enterprise class PowerDsine 9000G family is specifically designed to power Ethernet end-terminals that require high power, up to 36 watts. PD-9000G midspan devices are compliant with the IEEE802.3at standard, include 6, 12 and 24 port models.

PowerDsine 6500G Midspan family

The PowerDsine 6500G family sets a new standard for enterprise class PoE midspans. The highly secure, remotely managed and safe-to-use PD-6500G series midspans support large installations using multiple 24-port units, and 12- and 6-port models that optimally suit smaller installations of IP Phones, wireless LAN access points.

Peripherals and Support

Redundant Power Supply

PowerDsine's Redundant Power Supply (RPS) enables full power backup for both PD-9000G and PD-9500G midspan families and is available in either 450W or 1000W.

PowerView Pro

PowerDsine enterprise class midspans have PowerView Pro, a powerful network management tool and Simple Network Management Protocol (SNMP v3) that allows unprecedented remote control to systems administrators.

Compatible Cisco AP Devices



802.3 af

Aironet 1040 Series
Aironet 1140 Series
Aironet 1250 Series
Aironet 1260 Series
Aironet 3500 Series

802.3 at

Aironet 1520 Series Lightweight Outdoor
Aironet 1550 Series Outdoor AP