The bridge to possible

Be more able to save energy through Power over Ethernet. Be more sustainable with Cisco.

Discover

Analyze Power over Ethernet (PoE) power rate, and network and physical space usage metrics for a baseline assessment.

Identify opportunities for energy savings through optimization of PoE infrastructure.

Act

Apply configurations changes and implement automation to achieve energy savings.

Always-on IT can represent a missed opportunity to save energy during quiet or out of business hours.

Report

Quantify savings and progress towards reducing costs and helping business goals.

How? with Cisco Meraki Switch Port-Schedules

Create up to 5 custom Port Schedules to align with your business hours.

Apply the Port Schedule to one or thousands of Switch Ports simultaneously, with just a couple of clicks.

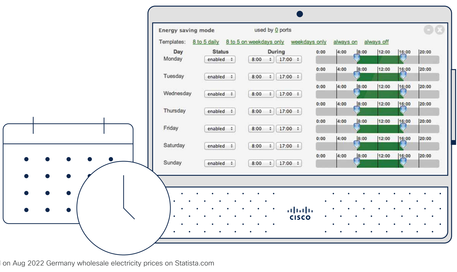
We estimate that powering off **1,000** APs (10W)

for **12h** per day

saves up to **43,500 kWh** of energy per year

or

€20,500* Energy Costs per year



*based on Aug 2022 Germany wholesale electricity prices on Statista.com

Save Energy with Catalyst Wireless

Optimise AP Power

- Use Power Save Mode to turn off AP features when they are not required
- Use AP Power Distribution to allocate AP resources at reduced power levels

Reducing AP functions during off-peak hours could potentially save an estimated additional 20% in energy costs compared to regular idle mode

Measure & Act

- New Power Save Insights on DNA Center to quantify reduction in energy & costs (available March 2023)
- Use occupancy data from Spaces to enable informed decisions about powering down resources in off-peak hours

Turning off 1,000 APs** during off-peak hours could save an estimate of 66,000 kWh, or 60% of the total energy

Refresh to energy-efficient APs

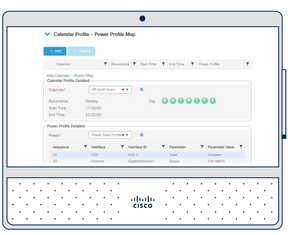
- Catalyst Wi-Fi 6 and 6E APs are on average 53% more efficient than older generations
- Catalyst Wi-Fi 6 and 6E APs have the highest power efficiency in the market***

Cisco estimates that by replacing 1,000 Wave 1 APs with Wi-Fi 6, would save potentially 79,000 kWh

(*) Based on Cisco internal engineering testing
(**) Off-peak hours: Mon-Sun 6pm-8am
(***) Based on third-party independent testing company Miercom: https://miercom.com/pdf/reports/DR201007K.pdf

How? With Catalyst AP Power Save Mode

Prioritized set of rules that define how the AP will turn down power



- Radios: 6GHz, 5GHz, 2.4GHz
- Ethernet: uplinks and RLAN
- USB Port