

# Wi-Fi Features



# Wondering if the AP is supported in a country?

### AP Channel Lookup

This page recommends wireless product IDs for specific geographic regions and countries. It is not a compliance status page. Always consult the product data sheet for supported features. If you need to validate a product ID for a country, consult the [Cisco Product Approvals Database](#).

Narrow your search

Reset

Country/Territory

Netherlands

Indoor or Outdoor

All

Mode

All

Access Points

CW9178I

| Country/Territory | Regulatory Domain | Indoor or Outdoor | Mode    | Access Points |
|-------------------|-------------------|-------------------|---------|---------------|
| Netherlands       |                   | Indoor            | On Prem | CW9178I       |
| Netherlands       |                   | Indoor            | Cloud   | CW9178I       |

CW9178I

Netherlands, On Prem, Indoor

2.4 GHz

5 GHz

6 GHz

6 GHz

Low Power Indoor

Standard Power

|       | Channel | Frequency (MHz) | Supported Since Software Version | Supported Until Software Version |
|-------|---------|-----------------|----------------------------------|----------------------------------|
| UNH-E | 1       | 5955            | 17.15.2                          |                                  |
|       | 5       | 5975            | 17.15.2                          |                                  |
|       | 9       | 5995            | 17.15.2                          |                                  |
|       | 13      | 6015            | 17.15.2                          |                                  |
|       | 17      | 6035            | 17.15.2                          |                                  |
|       | 21      | 6055            | 17.15.2                          |                                  |
|       | 25      | 6075            | 17.15.2                          |                                  |
|       | 29      | 6095            | 17.15.2                          |                                  |
|       | 33      | 6115            | 17.15.2                          |                                  |
|       | 37      | 6135            | 17.15.2                          |                                  |
|       | 41      | 6155            | 17.15.2                          |                                  |
|       | 45      | 6175            | 17.15.2                          |                                  |
|       | 49      | 6195            | 17.15.2                          |                                  |
|       | 53      | 6215            | 17.15.2                          |                                  |
|       | 57      | 6235            | 17.15.2                          |                                  |
|       | 61      | 6255            | 17.15.2                          |                                  |
|       | 65      | 6275            | 17.15.2                          |                                  |
|       | 69      | 6295            | 17.15.2                          |                                  |
|       | 73      | 6315            | 17.15.2                          |                                  |
|       | 77      | 6335            | 17.15.2                          |                                  |
| UNH-B | 81      | 6355            | 17.15.2                          |                                  |
|       | 85      | 6375            | 17.15.2                          |                                  |
|       | 89      | 6395            | 17.15.2                          |                                  |
|       | 93      | 6415            | 17.15.2                          |                                  |
|       | 97      | 6435            |                                  |                                  |
|       | 101     | 6455            |                                  |                                  |
|       | 105     | 6475            |                                  |                                  |
|       | 109     | 6495            |                                  |                                  |
|       | 113     | 6515            |                                  |                                  |

# Live Protect – Reduce vulnerability risk without forcing operational disruption

Live Protect for supported Cisco devices

- Lower exposure
- Preserve uptime
- Maintain patch discipline



Stop the attack...  
but not the network

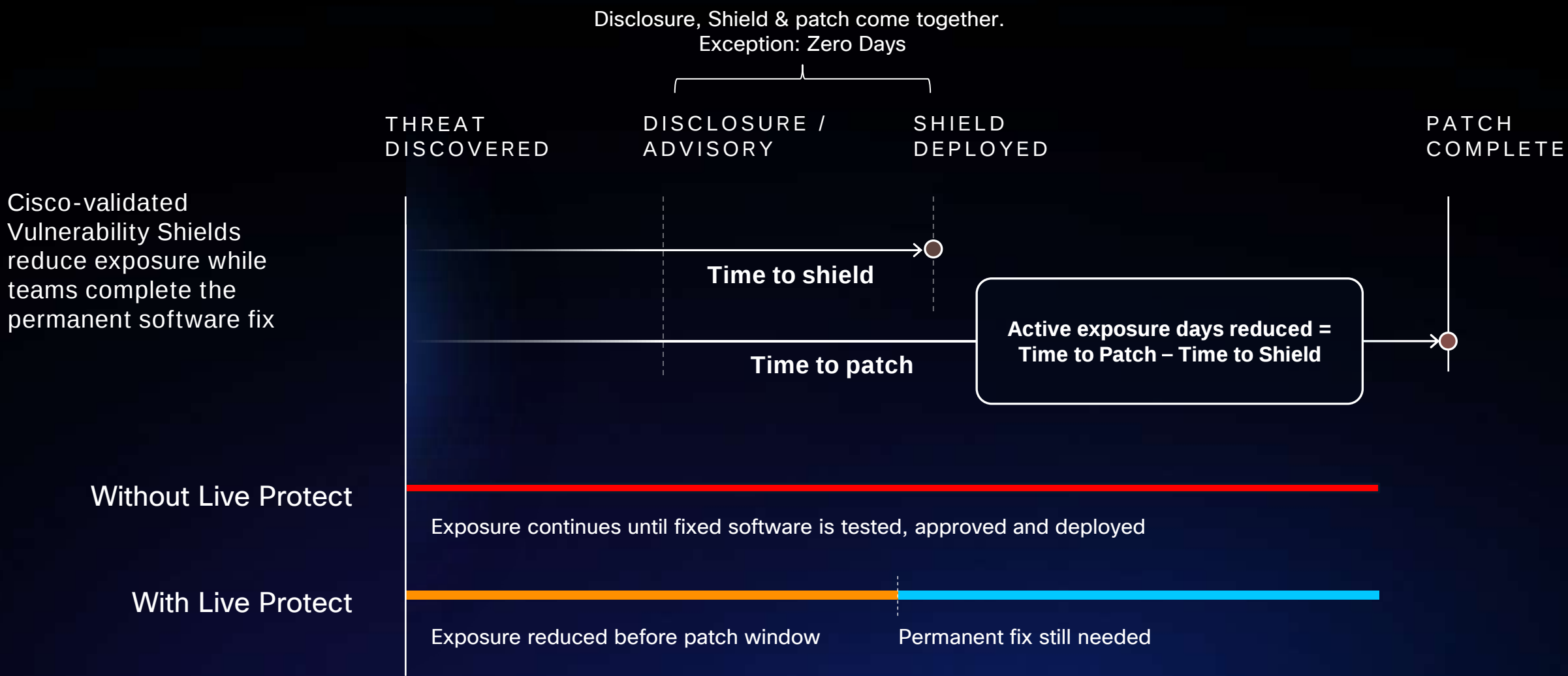
LIVE PROTECT



Vulnerability

CISCO PRODUCTS

# Live Protect closes the exposure gap, not the patching process



# Wireless Network Management: From Local Control to Cloud and AI

Different operational models can coexist — choose the right control plane per customer architecture, scale, and lifecycle needs.



## WLC GUI

Controller-local operations

Direct controller configuration  
RF, WLAN and AP-level operations  
Best for local troubleshooting

Device-centric



## Catalyst Center

On-prem automation & assurance

Intent-based workflows  
Wireless assurance and AI-RRM  
Lifecycle, compliance and scale

Intent / Assurance



## Meraki Dashboard

Cloud-managed simplicity

Unified cloud operations  
Fast deployment and monitoring  
Ideal for Meraki-native sites

Cloud-managed



## Cloud Control

Cross-domain cloud visibility

Centralized Cisco cloud experience  
Entry point across portfolios  
Evolving toward unified control

Cloud control

## Programmability & Ecosystem

All control planes can be extended with REST APIs, telemetry, 3rd-party IT/OT platforms, and emerging MCP-enabled AI assistants for natural-language operations.

# AI Assistant – Deep Reasoning – Assurance Health

You

Check overall assurance and let me know why the healthscore drops over the past week

AI Assistant

Thinking

14:55

Universum — Network Assurance Health Review: Past Week (June 9–16, 2026)

Executive Summary

- Assessed the Universum wireless network (170 AP3800 APs + 2 Catalyst 9800 controllers) across the past 7 days
- Two distinct latency spikes are the primary cause of health score drops:** a severe 5-hour event on June 14 (09:00–14:00 UTC, peak 118 ms) and a sustained degradation on June 15 evening through June 16 early morning (18:00 UTC onward, 30–77 ms, still partially elevated at time of this report)
- The underlying driver is **not device failures** — all 172 devices are online — but rather a **recurring DHCP infrastructure problem** (175 DHCP failure events over the week, 88% of all wireless events) combined with the latency spikes that indicate upstream or backhaul congestion during those windows
- One active configuration warning exists on AP-014 (gateway mismatch, recently added)
- Overall connection success rate is excellent at **99.88%** (32,450 successful connections vs. 39 failures)

Scope

- Network:** Universum ( L\_4006514818499478845 )
- Organization:** Bestsport, a.s. ( 1772793 )
- Assessment window:** June 9–16, 2026 (7 days)
- Infrastructure:** 170 AP3800 access points, 2 Catalyst C9800-40 wireless controllers
- Limitations:** Configuration change history API returned 404 (not accessible for this org); channel utilization history requires per-device queries and was not available at network level. Latency history data begins June 9 (7-day API window).

Findings

AI Assistant

Thinking

15:12

Wi-Fi Performance Validation & Optimization Audit

Network: Universum (O2 Universum, Prague) — Bestsport, a.s. Network ID: L\_4006514818499478845 | Org ID: 1772793 Assessment Period: June 9–16, 2026 (7-day window) AP Fleet: 170 × Cisco AIR-AP3802 (Wi-Fi 5, dual-band 2.4/5 GHz) | 2 × Catalyst C9800-40 controllers

Executive Summary

- Infrastructure health is excellent:** All 170 APs are online with zero offline or alerting devices. The 24-hour connection success rate is 99.86% (2,157/2,160 attempts).
- Two confirmed latency incidents** occurred during the assessment window: a 5-hour event on June 14 (peak 118 ms, 11:00–16:00 CEST) and a 7-hour event on June 15–16 (peak 77 ms, 20:00 CEST–03:00 CEST). Both are upstream/infrastructure events, not RF-layer problems.
- RF environment is clean:** Channel utilization is extremely low across all 170 APs (2.4 GHz avg 0.8%, 5 GHz avg ~0%). Non-Wi-Fi interference on 2.4 GHz is present but minor (max 5.7% on any single AP).
- Four RF configuration gaps** require remediation: band steering is disabled, client balancing is disabled, 5 GHz channel width is set to "auto" (risks 40 MHz in dense venue), and minimum bitrate is 11 Mbps on 2.4 GHz (too low for a dense deployment).
- DHCP reliability is the primary operational risk:** 175 DHCP failure events over 7 days, concentrated on server 192.168.41.1, with two chronic problem clients. This is the most likely contributor to the latency incidents.

# AI wireless config recommendations



## AI network optimization

Network AI Agent continually

- Assesses readiness – network and client
- Predicts before-and-after performance improvements
- Suggests better configuration recommendations for performance and security improvements



## Types of configuration

Recommendations

- WPA3/6-GHz upgrade
- 802.11r enablement
- Coverage hole mitigation
- Transmit power range optimization
- 5-GHz band and channel list optimization
- Flexible Radio Assignment

### Enable 6GHz on wireless network

WPA3 in SSID settings and 6GHz on the enabled APs may provide up to **500%** wireless data rate increase.  
Meraki San Francisco SFO12 - Feb 23 2024 09:32 PST

Details **Suggested actions** 2

SSID: Blizzard 1 of 5 SSIDs

Change security configuration and enable 6GHz on the selected SSID

**Change of WPA3 protocol requires client device to reconfigure its Wi-Fi settings.**

Enabling the recommended profiles below on the 6GHz band will increase overall capacity.

**1. Upgrade WPA encryption**  
WPA2-Enterprise → WPA3-Enterprise

**2. Enable 6GHz band from RF Profile**

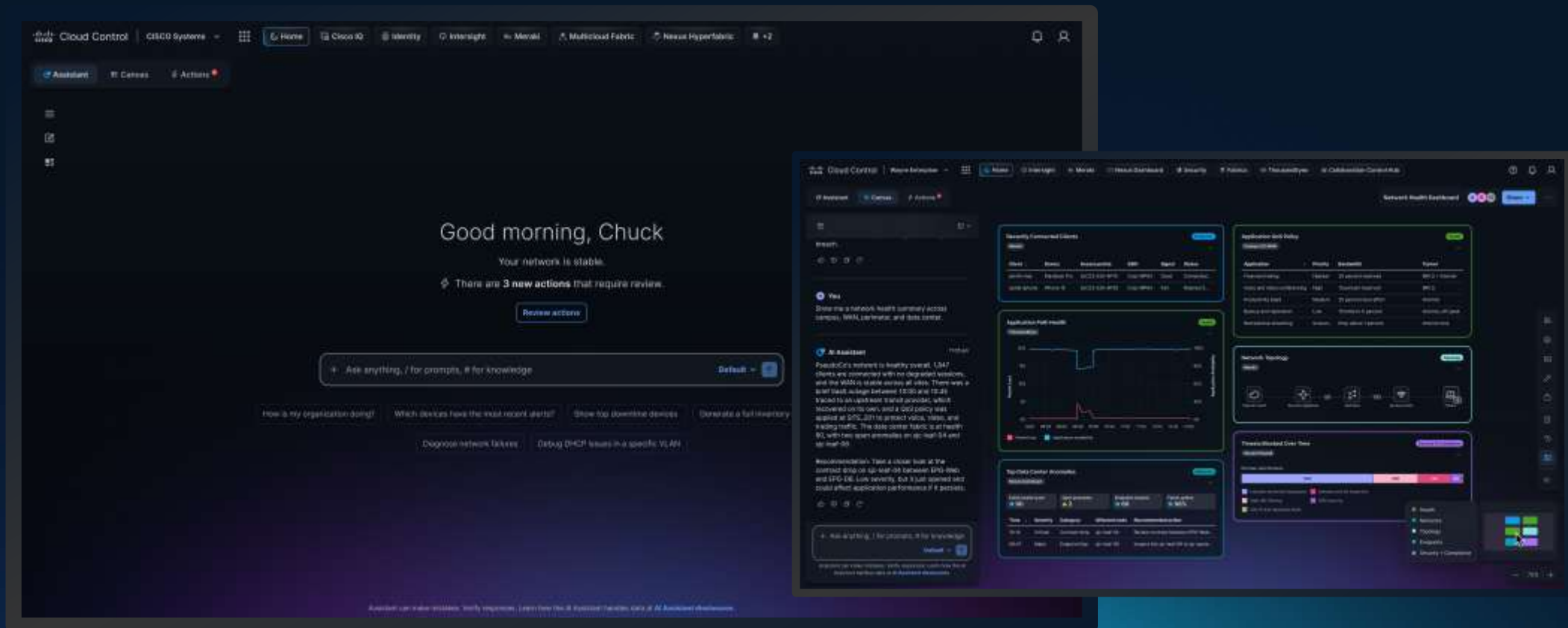
| RF Profile                          | Band         | Enable 6GHz                         | AP count | 6GHz Policy |
|-------------------------------------|--------------|-------------------------------------|----------|-------------|
| 2024-Aug WiFi7 Optimized RF Profile | 2.4GHz, 5GHz | <input checked="" type="checkbox"/> | 35       | Available   |
| Optimized Outdoor APC RF Profile    | 5GHz         | <input checked="" type="checkbox"/> | 2        | Available   |
| Basic Indoor Profile                | 2.4GHz, 5GHz | <input checked="" type="checkbox"/> | 0        | Available   |
| Basic Outdoor Profile               | 5GHz         | <input type="checkbox"/>            | 0        | Unavailable |

[Read documentation](#) [Enable action](#)

[Documentation](#)

# Cisco Cloud Control with AI Canvas

## The unified operations platform for AgenticOps



# ATComputers

