ENTERPRISE WIFI / SOLUTION OVERVIEW

Next Generation WiFi. Built around your business.

Hardware freedom. Centralized control. Clear operational insight.



One operating model. Every location.

TELCOSIS combines controller software and AP firmware development on TIP OpenWiFi and OpenWrt to create a flexible enterprise wireless access layer.

01

Choose your hardware

Select compatible APs around coverage, density and deployment needs.

02

Control your deployment

Use cloud or on-premise management with reusable site profiles.

03

Understand your network

Bring device, client and RF telemetry into a consistent operational view.

Enterprise access today. AI-driven operations on the development roadmap.

PLATFORM & OPERATIONS

See the network. Manage the experience.

CONTROL
TELCOSIS Controller
→
MANAGEMENT
uCentral / AP firmware
→
ACCESS
Compatible AP hardware

Management path shown. Client traffic follows the configured AP, LAN and gateway path.



CONTROLLER INTERFACE / RRM TRANSMIT POWER VIEW

Provision & organize

AP onboarding and inventory; entities, venues and configuration profiles for repeatable deployments.

Monitor & troubleshoot

Device health, client activity, RF telemetry, alarms and logs to guide operational decisions.

Plan & configure RF

Radio profiles, channel and transmit-power settings; validate tuning against site conditions.

Integrate & evolve

REST API and external AAA integration paths. AI optimization and controlled automation are in development.

Interface design shown; illustrated values are sample data. Availability depends on the selected release and integration scope.

TECHNICAL CAPABILITIES

A flexible stack.
A practical deployment path.



Indoor ceiling
Offices & campuses



Wallplate
Rooms & hospitality



Outdoor
Campus & public spaces

Concept portfolio. AP model, enclosure, interfaces and RF capabilities are selected for each deployment.

Architecture	Disaggregated controller and AP firmware; TIP OpenWiFi / OpenWrt foundation.
Deployment	Cloud or on-premise controller; centralized operation of compatible multi-vendor APs.
Provisioning & policy	AP onboarding; entity / venue organization; reusable configuration and radio profiles.
Wireless options*	WiFi 6 / 6E / 7; 2.4, 5 and 6 GHz options. Bands, channel widths, MIMO and MLO vary by AP.
SSID security*	WPA2 / WPA3 options, 802.1X / EAP with external RADIUS; protected management frames.
Network services*	SSID-to-VLAN mapping, Ethernet interface configuration and client isolation options.
RF & service quality*	Channel / transmit-power configuration, WMM / QoS options and RF telemetry.
Visibility	Device status, client activity, operational metrics, alarms and logs.
Integration	uCentral configuration / telemetry; REST API; AAA and operator-system integration scope.
Hardware selection*	Indoor ceiling, wallplate and outdoor families; chipset, PoE, uplink and enclosure by model.

* Configuration options are subject to AP hardware, firmware, controller release and regional regulation. Confirm the supported feature matrix in the deployment PoC. AI functions are a development roadmap.

Build your enterprise WiFi PoC with TELCOSIS.

Requirements / Hardware selection / Service validation / Phased rollout

Based in BUDOTEK, Dudullu Organized Industrial Zone, Istanbul, Türkiye.

Technical foundation: TIP uCentral schema and OpenWiFi AP firmware. October 2026.