TCAP-297C / TRI-BAND 4x4 WI-FI 7 INDOOR ACCESS POINT

TELCOSIS TCAP-297C Tri-band Wi-Fi 7

4x4 per band. BE19000-class wireless access.

Capacity for the workplace. Flexibility for the campus.

An indoor access platform for offices, campuses and shared spaces, combining tri-band radio capacity with high-speed Ethernet and flexible installation.



TELCOSIS Ceiling AP concept render.
Final appearance and branding may vary.

18.67 Gbps

Aggregate theoretical PHY rate[1]

2.4 / 5 / 6 GHz

4x4 radio configuration on every band

10GbE + PoE++

802.3bt PoE input; 48V DC option

RADIO PERFORMANCE

Radio	MIMO	Maximum width	Peak PHY rate[1]
2.4 GHz	4x4	40 MHz	1.376 Gbps
5 GHz	4x4	160 MHz	5.764 Gbps
6 GHz	4x4	320 MHz	11.530 Gbps

Integrated tri-band omnidirectional Wi-Fi antennas. Ceiling or wall mounting. Bluetooth 5.0 hardware.

[1] Aggregate of maximum PHY rates: 1.376 + 5.764 + 11.530 Gbps. BE19000 is a rounded speed class, not a measured throughput. Actual performance depends on clients, RF conditions, backhaul, channel availability and regional settings.

HARDWARE SPECIFICATIONS & INTEGRATION

TCAP-297C specifications

Hardware specifications.

Wireless architecture	Tri-band Wi-Fi 7; 4x4 on 2.4, 5 and 6 GHz
Wireless standards	2.4 GHz: b/g/n/ac/ax/be; 5 GHz: a/n/ac/ax/be; 6 GHz: ax/be
Ethernet / PoE support	1x 10GbE WAN; IEEE 802.3bt PoE input
Optical interface	1x SFP+ port
Alternative power	1x 48V DC input
Memory / storage	1 GB DDR4; 4 GB eMMC
Antenna system	Integrated tri-band omnidirectional Wi-Fi antennas
Bluetooth	Bluetooth 5.0
Management interface	1x USB-C console; factory-default reset button
Status indication	1x RGB LED
Mounting	Ceiling or wall mounting; indoor deployment
Dimensions	225 x 225 x 38 mm (W x D x H)

CONNECTIVITY & POWER

802.3bt PoE switch → 10GbE WAN → TCAP-297C

Additional interfaces: SFP+ / USB-C console / 48V DC input

TELCOSIS CONTROLLER & FIRMWARE INTEGRATION

The TELCOSIS deployment approach combines AP firmware integration with centralized onboarding, site profiles, configuration and telemetry. Radio functions, security policies, VLAN handling and upgrade / recovery are implemented and validated within the selected software release. Hardware interfaces do not, by themselves, establish software feature availability.

Channel widths and 6 GHz availability depend on the deployment region and regulatory configuration. Optical transceiver selection, PoE power budgeting and firmware integration are defined for the intended installation.

Technical basis: OEM wireless product catalog, OpenWiFi access-point category; accessed 26 October 2026. Product image: TELCOSIS Ceiling AP concept. Specifications may change.

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