PROFESSIONAL WIFI / ENTERPRISE

APEX E6

Enterprise WiFi 7 ceiling access point

A ceiling access point combining three WiFi 7 radios, multi-gigabit connectivity and centralized controller management.

Three WiFi radios

Six spatial streams with 2x2 MIMO per radio.

Centralized operation

Controller management, VLANs and 802.11k/v roaming.

Multi-gigabit uplinks

2.5 GbE and 10G SFP+ in a compact ceiling enclosure.



WiFi 7	6 STREAMS	2.5 GbE	10G
WIRELESS TECHNOLOGY	THREE RADIOS	ETHERNET	SFP+ INTERFACE

Enterprise WiFi, centrally managed.

Private building

Connect ceiling access points to the local WiFi controller.

Multiple sites

Use an Internet-connected controller architecture across buildings.

Consistent policies

Apply SSIDs, VLANs and administration settings across the deployment.

1. PHY rates are theoretical. Actual throughput and range depend on radio configuration, client equipment, line of sight and operating conditions.

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DEPLOYMENT / APEX E6

Two ways to manage your WiFi.

APEX E6 deployments with local or cloud-hosted WiFi control.

01 Private WiFi. Local control.

Two ceiling APs connect to the controller in the building server room.



02 Multiple sites. Cloud control.

Each building connects through Internet to a cloud-hosted WiFi controller.



Illustrative architecture. Supporting network equipment is selected for the deployment.

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TECHNICAL SPECIFICATIONS

APEX E6

Radio & performance

Device type	Enterprise ceiling access point
Wireless technology	WiFi 7
Radio configuration	2.4 / 5 / 5 GHz
Maximum radio rates	688 + 2,882 + 2,882 Mbps
Spatial Diversity	2x2 MIMO per radio · 6 streams
Antenna configuration	6 integrated antennas
MLO	Supported
Operating frequency	2.400-2.484 GHz · 5.150-5.850 GHz
Antenna gain	1.7 dBi at 2.4 GHz · 4 dBi at 5 GHz
5 GHz channel width	Up to 160 MHz
Modulation	4096-QAM

Mechanical & environmental

Dimensions	208 × 208 × 46 mm
Weight	0.55 kg
Operating temperature	-10 to +55°C
Operating humidity	5-95%, non-condensing

Ordering information

Model	APEX E6
Package contents	Available on request

Hardware & power

Network interfaces	2.5 GbE + 10G SFP+
Power	802.3at PoE · 12 V DC / 2 A · 48 V / 0.5 A terminal block
Maximum consumption	<24 W
Processor	Qualcomm IPQ5322 + QCN6274 + QCA8081
RAM	512 MB DDR4
Flash	128 MB
Console	1 console interface
ESD protection	±8 kV air · ±6 kV contact
Surge protection	2 kV common mode · 1 kV differential mode

Networking & management

Roaming	802.11k/v
Management	Web / AC controller / Remote / Cloud
Network features	Multi-SSID / VLAN / Client isolation
Operating modes	Gateway · AP · Repeater
Wireless security	WPA / WPA2-PSK · WPA3-PSK
VLAN	Supported
Client isolation	Supported

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