

# R750 | RUCKUS R750 Indoor Access Point



Very High Performance Wi-Fi 6 4x4:4 Indoor Access Point with 3.5 Gbps HE80/40 Speeds and Embedded IoT

The R750 is based on the latest Wi-Fi 6 standard and bridges the performance gap from 'gigabit' Wi-Fi to 'multi-gigabit' Wi-Fi in support of the insatiable demand for better and faster Wi-Fi. The R750 is the first ever Wi-Fi 6 AP to be granted Wi-Fi CERTIFIED 6 status by the Wi-Fi Alliance. As part of Wi-Fi Alliance's testbed, the R750 validates other devices for Wi-Fi CERTIFIED 6 interoperability certification.

The R750 makes it easy to deliver reliable, secure, high-performance connectivity in transit hubs, auditoriums, conference centers and other high traffic indoor spaces.

The RUCKUS R750 is our high-end dual-band, dual-concurrent Wi-Fi 6 AP that supports 8 spatial streams (4x4:4 in 5GHz, 4x4:4 in 2.4GHz). The R750, with OFDMA and MU-MIMO capabilities, efficiently manages up to 1024 client connections with increased capacity, improved coverage and performance in ultra-high dense environments.

Also, wireless requirements within enterprises are expanding beyond Wi-Fi with Bluetooth® Low Energy, Zigbee and many other non-Wi-Fi wireless technologies. Enterprises need a unified platform to eliminate network silos. The RUCKUS AP portfolio is equipped to solve these challenges through wireless convergence.

The R750 is also easy to manage through RUCKUS physical and virtual cloud management options.

## Product Classification

<b>Regional Availability</b>	Asia   Australia/New Zealand   EMEA   Latin America   North America
<b>Product Type</b>	Indoor access point
<b>Product Brand</b>	RUCKUS®

## General Specifications

<b>Antenna Patterns, per band</b>	4000+
<b>Antenna Gain</b>	Up to 3 dBi
<b>BeamFlex</b>	Yes
<b>ChannelFly</b>	Yes
<b>Concurrent Users</b>	1024
<b>Controller Support</b>	RUCKUS SmartZone   RUCKUS Unleashed™   RUCKUS ZoneDirector   Standalone
<b>Ethernet Ports</b>	1 x 1 GbE   1 x 2.5 GigE
<b>IoT Support</b>	IoT Onboard
<b>PD-MRC</b>	Yes
<b>PHY Rate at 2.4 GHz, maximum</b>	1148 Mb/s

# R750 | RUCKUS R750 Indoor Access Point

---

<b>PHY Rate at 5 GHz, maximum</b>	2400 Mb/s
<b>Radio Chains and Streams</b>	4x4:4
<b>Rx Sensitivity at 2.4 GHz</b>	-102 dBm
<b>Rx Sensitivity at 5 GHz</b>	-102 dBm
<b>SmartMesh</b>	Yes
<b>USB</b>	USB 2.0
<b>Venue Type</b>	Education   Hospitality   Office/Retail   Public Venue
<b>Venue Sub-Type</b>	Cafeteria/Multipurpose Room   Library   Lobby/Common Spaces   Meeting Rooms   Venue VIP Rooms
<b>Wi-Fi Interface Standard</b>	IEEE 802.11a/b/g/n/ac/ax
<b>Wi-Fi Interface Standard at 2.4 GHz</b>	802.11ax
<b>Wi-Fi Interface Standard at 5 GHz</b>	802.11ax

## Environmental Specifications

<b>Operating Temperature</b>	0 °C to +50 °C (+32 °F to +122 °F)
------------------------------	------------------------------------