

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

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

General Specifications

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

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

Environmental Specifications

Operating Temperature	0 °C to +50 °C (+32 °F to +122 °F)
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