

T750 | RUCKUS T750 Outdoor Access Point



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

- Great Outdoor Wi-Fi - Experience high performance outdoor Wi-Fi 6 with IP-67 weather proofing and dual backhaul options with SFP and multi-gigabit 2.5 GbE ethernet port
- Connect More Devices Simultaneously - Improve device performance, by enabling more simultaneous device connections with built-in 8 spatial streams (dual-concurrent, 4x4:4 in 5GHz, 4x4:4 in 2.4GHz), MU-MIMO and OFDMA technology while enhancing non-Wi-Fi 6 client performance. Support for up to 1,024 clients
- High Density Performance - Provide exceptional end-user experience within high density public venues such as airports, amusement parks, stadiums, outdoor arenas, and other dense outdoor urban environments with the RUCKUS Ultra-High-Density Technology Suite
- Converged Access Point - Allow customers to eliminate siloed networks and unify Wi-Fi and IoT wireless technologies into one single network by using built-in Bluetooth® Low Energy and Zigbee, and also expand to any future wireless technologies through the pluggable IoT module
- Power Other Devices - Daisy chain and power other devices like an IP camera, or another AP directly from the 1 GbE PoE output port
- Multiple Management Options - Manage the T750 with on-premise physical / virtual appliances or from the cloud, and control auto-provisioning for faster deployment and seamless firmware upgrades
- Enhanced Security - Reinforce security with WPA3, the latest Wi-Fi security standard and receive enhanced protection from man-in-the-middle attacks

Outdoor locations such as stadiums, arenas can have the most demanding wireless requirements due to high client density. The T750 access point (AP), based on the latest Wi-Fi 6 standard, brings in multi-gigabit Wi-Fi to support the ever raising expectation for highest quality of service from the users. T750 is IP-67 rated to withstand the rigors of outdoor deployments.

The RUCKUS T750 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 T750, with OFDMA and MU-MIMO capabilities, efficiently manages up to 1,024 client connections with increased capacity, improved coverage and performance in ultra-high dense environments. Furthermore, the 2.5 GbE ethernet ensures that the backhaul will not be a bottleneck for full use of available Wi-Fi capacity.

The T750 addresses the increasing client demands in public venues such as airports, convention centers, plazas, malls, and other dense urban environments. It is the perfect choice for data-intensive streaming multimedia applications like 4K video transmissions, while supporting latency sensitive voice and data applications with stringent quality-of-service requirements. The T750 is also easy to manage through physical, virtual and cloud management options.

Product Classification

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

General Specifications

Antenna Patterns, per band	4000+
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Antenna Gain	Up to 3 dBi
BeamFlex	Yes
ChannelFly	Yes
Concurrent Users	1024
Fiber Interface	Yes
IoT Support	IoT Onboard
PD-MRC	Yes
PHY Rate at 2.4 GHz, maximum	1148 Mb/s
PHY Rate at 5 GHz, maximum	2400 Mb/s
Radio Chains and Streams	4x4:4
SmartMesh	Yes
USB	USB 2.0
Venue Type	Hospitality Public Venue Transportation
Venue Sub-Type	Harbor Port Outdoor Resort Spaces Transit Stations
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	-40 °C to +65 °C (-40 °F to +149 °F)
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