

RUCKUS® T670sn

Outdoor Wi-Fi 7 (802.11be) Access Point with Programmable Sector Antenna



BENEFITS

Connect more devices simultaneously

Improve device performance, by enabling more simultaneous device connections with 6 spatial streams (2x2:2 in 2.4GHz, 5GHz, and 6GHz) technology. 9.34 Gbps combined data rate.

High client density and performance

Provides exceptional end-user experience within large meeting halls, general enterprise spaces, and large classrooms.

Unique Programmable Sector Antenna

To maximize deployment flexibility, throughput, and range, the T670sn features the industry's first programmable sector antenna, delivering both narrow and wide sector coverage on demand. This innovation optimizes signal strength, enhances throughput, and increases network capacity and works seamlessly with any client device.

Great Outdoor Wi-Fi

Experience high performance outdoor Wi-Fi 7 with IP-67 weather proofing and multi-gigabit 5 GbE Ethernet port.

5 GbE minimizes wired backhaul bottleneck

Optimized multi-gigabit Wi-Fi performance delivered using the built-in 1/2.5/5GbE port to connect to multi-gigabit switches.

Built-in GPS

Facilitate the deployment of Automated Frequency Coordination (AFC) ensuring adherence to regulatory requirements for 6GHz frequency use.

Multiple management options

Manage the T670sn with on premise physical/ virtual appliances and control auto-provisioning for faster deployment and seamless firmware upgrades.

Enhanced Security

The latest Wi-Fi security standard with WPA3 and receive enhanced protection from man-in-the-middle attacks. Adds the power of RUCKUS DPSK3 to WPA3/ SAE combining enhanced security with the flexibility and ease of use of dynamic passphrase to secure network access.

More Than Wi-Fi

Support solutions beyond Wi-Fi with RUCKUS AI, RUCKUS One, RUCKUS Cloudpath Enrollment System and on-boarding software.

Outdoor venues like stadiums and arenas present some of the most demanding wireless challenges due to high client density. The RUCKUS® T670sn access point (AP), powered by the latest Wi-Fi 7 standard combined with RUCKUS unique patented technologies, delivers multi-gigabit Wi-Fi to meet the ever-growing demand for top-tier performance. Designed for durability, the T670sn is IP-67 rated to withstand the harsh conditions of outdoor deployments.

The availability of Wi-Fi 7 marks the beginning of a new era of possibilities. With groundbreaking advancements in speed, capacity, latency, and reliability, it is set to revolutionize the way we connect and engage with the digital world.

Moreover, industries such as hospitality and education can benefit immensely from Wi-Fi 7 low latency and high reliability. Other verticals like, MDUs, large public venues and service providers gain greatly from Wi-Fi 7 unprecedented advancements in speed and capacity.

The RUCKUS T670sn is a high-end Wi-Fi 7, tri-band concurrent outdoor AP that delivers 6 spatial streams (2x2:2 in 2.4GHz/5GHz/6GHz or, in dual-band mode, 2x2:2 in 2.4GHz and 4x4:4 in 5GHz) With Multi-Link-Operation (MLO), Preamble Puncturing, 4K QAM Modulation and 320MHz channels. It delivers industry-leading performance environments with a combined data rate of 9.34 Gbps.

T670sn Programmable Sector Antenna

The T670sn unique programmable sector antenna delivers both narrow and wide sector coverage on demand. This offers many great benefits:

Deployment Flexibility

With software-defined sector coverage, network operators can easily adapt the AP to different environments—narrowing the beam for high-density areas or expanding it for broader coverage.

Optimized Performance & Signal Control

By precisely controlling the antenna's coverage, interference is minimized, and signal strength is maximized, ensuring better connectivity and higher data rates in targeted areas.

Simplified Network Planning

Instead of deploying multiple APs with fixed coverage patterns, a single AP with a programmable sector antenna can be adjusted as needed, reducing hardware costs and simplifying network design.

Dynamic Adaptation for Changing Needs

As network requirements evolve—whether due to seasonal crowd variations, temporary events, or new infrastructure—the antenna pattern can be reconfigured remotely, eliminating the need for costly physical adjustments.

Enhanced Spectral Efficiency

By directing RF energy only where it's needed, this technology improves spectrum utilization, reducing co-channel interference and improving overall network capacity.



RUCKUS programmable sector antenna

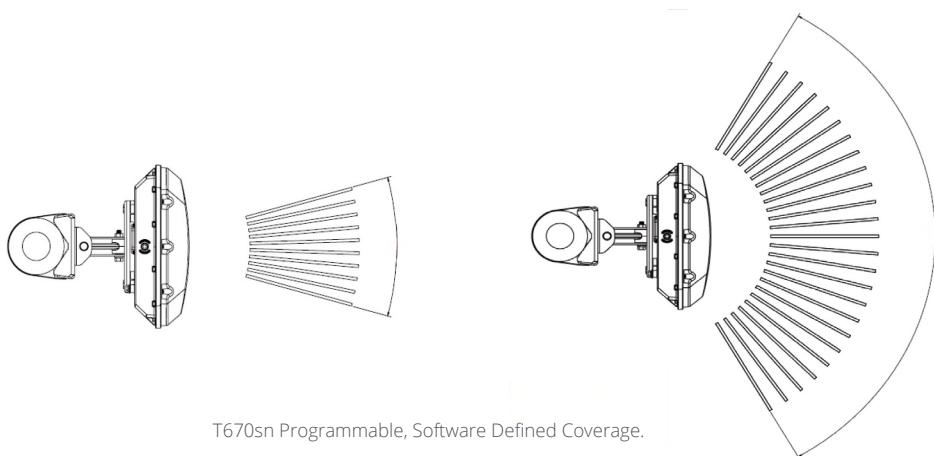


T670sn Programmable Sector Antenna Pattern

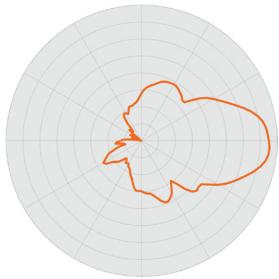
The T670sn programmable sector antenna enhances outdoor Wi-Fi AP deployments by offering flexible, software-defined coverage that adapts to different environments. It can be switched between narrow beam for high-density areas and wide beam for broader coverage, offering several key benefits.

- Better Deployment Flexibility
- Dynamic Adaptation for Changing Needs
- Simplified Network Planning

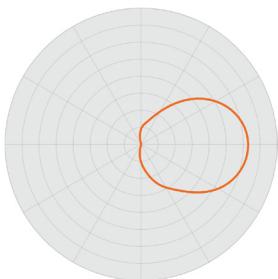
This dynamic control minimizes interference while maximizing signal strength and data rates, leading to better connectivity and performance in targeted areas. Additionally, the ability to modify coverage patterns remotely eliminates the need for physical adjustments, making it ideal for scenarios with changing network demands, such as seasonal events or infrastructure expansions.



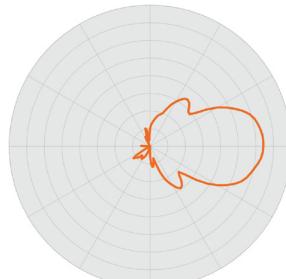
4 channels, 5.5 GHz, Narrow



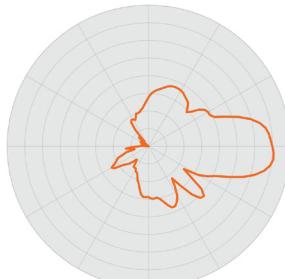
2 channels, 2.45 GHz, Narrow



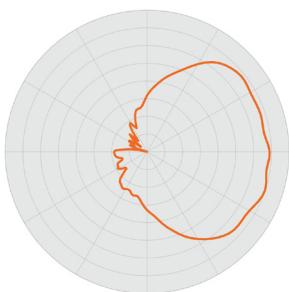
2 channels, 6.5 GHz, Narrow



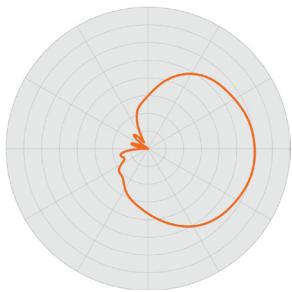
2 channels, 5.5 GHz, Narrow



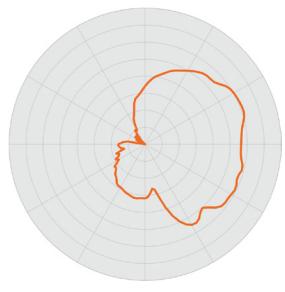
4 channels, 5.5 GHz, Wide



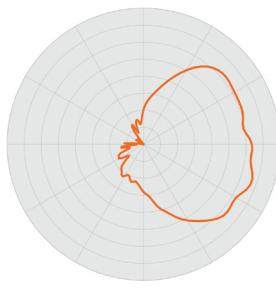
2 channels, 2.45 GHz, Wide



2 channels, 6.5 GHz, Wide



2 channels, 5.5 GHz, Wide



WI-FI	
Wi-Fi Standards	<ul style="list-style-type: none"> IEEE 802.11a/b/g/n/ac/ax/be, Wi-Fi 7
Supported Rates	<ul style="list-style-type: none"> 802.11be: 4 to 5765 Mbps 802.11ax: 4 to 4804 Mbps 802.11ac: 6.5 to 866 Mbps 802.11n: 6.5 to 300 Mbps 802.11a/g: 6 to 54 Mbps 802.11b: 1 to 11 Mbps
Supported Channels	<ul style="list-style-type: none"> 2.4GHz: 1-13 5GHz: 36-64, 100-144, 149-165 6GHz: 1-233
MIMO	<ul style="list-style-type: none"> 2x2 SU-MIMO in tri-band mode, 4x4(5GHz) in dual-band 2x2 MU-MIMO in tri-band mode, 4x4(5GHz) in dual-band
Spatial Streams	<ul style="list-style-type: none"> 2 in tri-band mode or 4 in dual-band mode at 5GHz
Radio Chains and Streams	<ul style="list-style-type: none"> 2x2:2 in all 3 bands, 4x4:4(5GHz) in dual-band mode
Channelization	<ul style="list-style-type: none"> 20, 40, 80, 160, 320 MHz
Security	<ul style="list-style-type: none"> WEP, WPA, WPA-PSK, WPA2, WPA2-PSK, WPA3, WPA3-SAE, OWE, PMF (802.11w), Dynamic PSK, DPSK3 WIPS/WIDS, TPM 2.0, Secure Boot
Other Wi-Fi Features	<ul style="list-style-type: none"> WMM, Power Save, Tx Beamforming, LDPC, STBC, 802.11r/k/v, MBO MLO (Multi-link operation), Preamble Puncturing Web Authentication and Guest Access Hotspot, Hotspot 2.0 Captive Portal WISPr

5GHZ RECEIVE SENSITIVITY (dBm) in 2x2 tri-band mode											
HT20/VHT20						HT40/VHT40				VHT80	
MCS0	MCS7	MCS8	MCS9	MCS0	MCS7	MCS8	MCS9	MCS0	MCS7	MCS8	MCS9
-96	-79	-76	-73	-93	-75	-73	-70	-90	-72	-70	-67
HE20/EHT20						HE40/EHT40				HE80/EHT80	
MCS0	MCS9	MCS13	MCS0	MCS9	MCS13	MCS0	MCS9	MCS13	MCS0	MCS9	MCS13
-96	-73	-61	-93	-70	-58	-90	-67	-55	-87	-64	-52

5GHZ RECEIVE SENSITIVITY (dBm) in 4x4 dual-band mode											
HT20/VHT20						HT40/VHT40				VHT80	
MCS0	MCS7	MCS8	MCS9	MCS0	MCS7	MCS8	MCS9	MCS0	MCS7	MCS8	MCS9
-100	-82	-79	-76	-97	-79	-76	-73	-94	-76	-73	-70
HE20/EHT20						HE40/EHT40				HE80/EHT80	
MCS0	MCS9	MCS13	MCS0	MCS9	MCS13	MCS0	MCS9	MCS13	MCS0	MCS9	MCS13
-100	-76	-64	-97	-73	-61	-94	-70	-58	-91	-67	-55

6GHZ RECEIVE SENSITIVITY (dBm)								
HE20/EHT20				HE40/EHT40				HE80/EHT80
MCS0	MCS9	MCS13	MCS0	MCS9	MCS13	MCS0	MCS9	MCS13
-96	-73	-61	-93	-70	-58	-90	-67	-55
HE160/EHT160				EHT320				
MCS0	MCS9	MCS11	MCS13	MCS0	MCS9	MCS11	MCS13	MCS13
-87	-64	-58	-52	-84	-61	-55	-49	

RF	
Antenna Type	<ul style="list-style-type: none"> Built-in programmable wide/narrow sector antenna Support for both wide and narrow degree coverage
Antenna Gain (max)	<ul style="list-style-type: none"> Up to 12.8 dBi (narrow) and 11.3dBi (wide)
Peak Transmit Power (Tx port/chain + Combining gain)	<ul style="list-style-type: none"> 2.4GHz: 26dBm (2x2) 5GHz: 25dBm(2x2), 28dBm(4x4) 6GHz: 25dBm (2x2)
Frequency Bands	<ul style="list-style-type: none"> ISM (2.4-2.484GHz) U-NII-1 (5.15-5.25GHz) U-NII-2A (5.25-5.35GHz) U-NII-2C (5.47-5.725GHz) U-NII-3 (5.725-5.85GHz) U-NII-5 (5.925-6.425GHz) U-NII-6 (6.425-6.525GHz) U-NII-7 (6.525-6.875GHz) U-NII-8 (6.875-7.125GHz)

2.4GHZ TX POWER TARGET (PER CHAIN)								
Rate					Pout (dBm)			
MCS0, HT20					22			
MCS7, HT20					19			
MCS9, VHT20					18			
MCS11, HE40					16			
MCS13, EHT40					12			

5GHZ TX POWER TARGET (PER CHAIN)								
Rate					Pout (dBm)			
MCS0, HT40					22			
MCS7, HT40					19			
MCS9, VHT80					17.5			
MCS11, HE160					16			
MCS13, EHT160					14			

2.4GHZ RECEIVE SENSITIVITY (dBm)								
HT20		HT40		VHT20		VHT40		
MCS0	MCS7	MCS0	MCS7	MCS0	MCS7	MCS0	MCS7	MCS7
-97	-79	-94	-76	-97	-79	-94	-76	
HE20/EHT20						HE40/EHT40		
MCS0	MCS7	MCS9	MCS11	MCS0	MCS7	MCS9	MCS11	MCS11
-97	-79	-74	-68	-94	-76	-71	-65	

6GHZ TX POWER TARGET (PER CHAIN)								
Rate					Pout (dBm)			
MCS0, HT40					22			
MCS7, HT40					17.5			
MCS9, VHT80					16.5			
MCS11, HE160					15			
MCS13, EHT320					13			

POWER CONSUMPTION			
Mode	Max Power	Capabilities	Wi-Fi Radios
DC Power	35W	<ul style="list-style-type: none"> Full Functionality • 5Gbps Ethernet Enabled • 1Gbps Ethernet Enabled • GPS Enabled • USB Enabled (3W) 	<ul style="list-style-type: none"> Full Functionality Tri-band mode • 2.4GHz (2x2) Tx 22 dBm • 5GHz (2x2) Tx 22 dBm • 6GHz (2x2) Tx 22 dBm
802.3bt5 PoH, uPoE	35W		<ul style="list-style-type: none"> Dual-band mode • 2.4GHz (2x2) Tx 22 dBm • 5GHz (4x4) Tx 22 dBm
802.3at	25.5W	<ul style="list-style-type: none"> • 5Gbps Ethernet Enabled • 1Gbps Ethernet Enabled • USB Disabled (0W) • GPS Enabled 	<ul style="list-style-type: none"> Tri-band mode • 2.4GHz (2x2) Tx 19 dBm • 5GHz (2x2) Tx 20 dBm • 6GHz (2x2) Tx 20 dBm <ul style="list-style-type: none"> Dual-band mode • 2.4GHz (2x2) Tx 20 dBm • 5GHz (4x4) Tx 21 dBm

NETWORKING	
Controller Platform Support	<ul style="list-style-type: none"> SmartZone • RUCKUS Unleashed* • RUCKUS One
Mesh	<ul style="list-style-type: none"> SmartMesh™ wireless meshing technology. Self-healing Mesh in 2.4 GHz, 5GHz, and 6GHz
IP	<ul style="list-style-type: none"> • IPv4, IPv6, dual-stack
VLAN	<ul style="list-style-type: none"> • 802.1Q (1 per BSSID or dynamic per user based on RADIUS) • VLAN Pooling • Port-based
802.1x	<ul style="list-style-type: none"> • Authenticator & Supplicant
Tunnel	<ul style="list-style-type: none"> • GRE, Soft-GRE
Policy Management Tools	<ul style="list-style-type: none"> • Application Recognition and Control • Access Control Lists • Device Fingerprinting • Rate Limiting • URL Filtering

PERFORMANCE AND CAPACITY	
Peak PHY Rates	<ul style="list-style-type: none"> • 2.4GHz: 689 Mbps • 5GHz: 5765 Mbps (4x4:4) or 2882 Mbps (2x2:2) • 6GHz: 5765 Mbps
Client Capacity	<ul style="list-style-type: none"> • Up to 768 clients per AP
SSID	<ul style="list-style-type: none"> • Up to 36 per AP

PHYSICAL INTERFACES	
Ethernet	<ul style="list-style-type: none"> • One 100M/1.2.5/5GbE (PoE) port and one 10M/ 100M/1GbE port • Power over Ethernet (802.3af/at/bt) with Category 5e (or better) cable • LLDP support
USB	<ul style="list-style-type: none"> • 1 USB 2.0 port, Type C
DC Power	<ul style="list-style-type: none"> • 48V DC Terminal Block

RUCKUS RADIO MANAGEMENT	
Antenna Optimization	<ul style="list-style-type: none"> Polarization Diversity with Maximal Ratio Combining (PDMRC)
Wi-Fi Channel Management	<ul style="list-style-type: none"> • ChannelFly • Background Scan Based
Client Density Management	<ul style="list-style-type: none"> • Adaptive Band Balancing • Client Load Balancing • Airtime Fairness • Airtime-based WLAN Prioritization
SmartCast Quality of Service	<ul style="list-style-type: none"> • QoS-based scheduling, QoS Mirroring • Directed Multicast • L2/L3/L4 ACLs
Mobility	<ul style="list-style-type: none"> • SmartRoam
Diagnostic Tools	<ul style="list-style-type: none"> • Spectrum Analysis • SpeedFlex

PHYSICAL CHARACTERISTICS	
Physical Size	<ul style="list-style-type: none"> • 42.1cm (L), 29.1cm (W), 10.8cm (H) • 16.5in (L) x 11.5in (W) x 4.3in (H)
Weight	<ul style="list-style-type: none"> • 3.24kg / 7.15lbs
Weight with bracket	<ul style="list-style-type: none"> • 4.47kg / 9.85lbs
Mounting	<ul style="list-style-type: none"> • Wall Mount, Pole Mount, Flat Surface. • Bracket included in the box
Operating Temperature	<ul style="list-style-type: none"> • -40°C (-40°F) to 65°C (145°F)
Operating Humidity	<ul style="list-style-type: none"> • Up to 95%, non-condensing
Wind Survivability	<ul style="list-style-type: none"> • 165 Miles Per Hour

PROGRAMMABLE SECTOR ANTENNA COVERAGE ANGLES				
	Wide Sector Side View	Wide Sector Top View	Narrow Sector Side View	Narrow Sector Top View
2.4 GHz	30°	100°	30°	40°
5 GHz (1st chain)	18°	110°	16°	25°
5 GHz (2nd chain)	20°	100°	20°	30°
6 GHz	20°	100°	20°	30°

Product owner is responsible to abide by the country of deployment spectrum regulations when configuring and deploying this product/device.

The 6GHz band is enabled in countries where it is authorized by the local regulations. AP operates as per local regulations via country regulatory domain, otherwise 6GHz radio is disabled. Once this product is certified to operate in a particular country the 6GHz band may be enabled with a future software release.

* Expected in a future software release.

CERTIFICATIONS AND COMPLIANCE		ORDERING INFORMATION
Wi-Fi Alliance ¹	<ul style="list-style-type: none"> Wi-Fi CERTIFIED™ a, b, g, n, ac, ax, be (Wi-Fi 6, Wi-Fi 7) Passpoint®, Vantage 	
Standards Compliance ²	<ul style="list-style-type: none"> IEC/EN/UL 60950-1 Safety IEC/EN/UL 62368-1 Safety EN 60601-1-2 Medical EN 61000-4-2/3/5 Immunity EN 50121-1 Railway EMC EN 50121-4 Railway Immunity IEC 61373 Railway Shock & Vibration UL 2043 Plenum EN 62311 Human Safety/RF Exposure WEEE & RoHS ISTA 2A Transportation 	<p>901-T670-XX51</p> <p>RUCKUS T670sn Wi-Fi 7 tri-band outdoor wireless Access Point software switchable internal sectorized narrow and wide antenna 2x2:2 (2.4GHz) + 2x2:2 (5GHz) + 2x2:2 (6GHz). Wi-Fi 7 in all three bands. 6GHz SP mode support with AFC Software configurable to 2x2 (2.4GHz) + 4x4 (5GHz) dualband mode.</p> <p>One 5/2.5/1-Gigabit Ethernet backhaul one 1-Gigabit port, PoH/uPoE/ 802.3bt PoE support TPM 2.0, and Secure Boot. Built-in GPS. Power adapter not included. Includes one year limited warranty. Mounting brackets included.</p>

¹ For complete list of WFA certifications, please see Wi-Fi Alliance website.

² For current certification status, please see price list.

SOFTWARE AND SERVICES	
Cloud Based Services	<ul style="list-style-type: none"> RUCKUS One
Network Analytics	<ul style="list-style-type: none"> RUCKUS AI (Formerly known as RUCKUS Analytics)
Security and Policy	<ul style="list-style-type: none"> Cloudpath

OPTIONAL ACCESSORIES	
902-1180-XX00	<ul style="list-style-type: none"> Multigigabit PoE injector (2.5/5/10)-BaseT PoE port, 60W
902-0134-0000	<ul style="list-style-type: none"> Secure Articulating Mounting Bracket with 10° increment
902-0183-XX00	<ul style="list-style-type: none"> Spare cable gland for weathering the RJ45 port, outdoor AP

PLEASE NOTE: When ordering Indoor APs, you must specify the destination region by indicating -US, -WW, or -Z2 instead of XX. When ordering PoE injectors or power supplies, you must specify the destination region by indicating -US, -EU, -AU, -BR, -CN, -IN, -JP, -KR, -SA, -UK, or -UN instead of -XX. For access points, -Z2 applies to the following countries: Algeria, Egypt, Israel, Morocco, Tunisia, and Vietnam.

About RUCKUS Networks

RUCKUS Networks builds and delivers purpose-driven networks that perform in the demanding environments of the industries we serve. Together with our network of trusted go-to-market partners, we empower our customers to deliver exceptional experiences to the guests, students, residents, citizens and employees who count on them.

www.ruckusnetworks.com

Visit our website or contact your local RUCKUS representative for more information.

© 2026 CommScope, LLC. All rights reserved.

CommScope and the CommScope logo are registered trademarks of CommScope and/or its affiliates in the U.S. and other countries. For additional trademark information, see <https://www.commscope.com/trademarks>. All product names, trademarks and registered trademarks are property of their respective owners.

PA-119999.3-EN (01/26)

RUCKUS®
NETWORKS