

AP327X OUTDOOR ACCESS POINT

IP67-rated enclosure, dual radio, 2x2:2 MU-MIMO, 802.11ac Wave 2 support
4 N-Type connectors, 2 GbE ports, full operational capacity with 802.3at PoE+



The AP327X offers four N-Type connectors for flexible antenna pattern coverage capabilities to secure Cloud-managed outdoor Wi-Fi! Its IP67-rated enclosure is made for the harshest environments and extends your Trusted Wireless Environment to the outdoors. This access point with dual concurrent 5 GHz and 2.4 GHz band radios and data rates up to 867 MHz and 400 Mbps respectively delivers broad, fast, and reliable Wi-Fi coverage – making the AP327X ideal for school campuses, warehouses, manufacturing yards, malls, public hotspots, and other municipal Wi-Fi deployments.

“ For us, being able to extend the same Wi-Fi protection outside of the building with the AP327X while delivering robust Wi-Fi connectivity gives us peace of mind that our customers are protected from hackers automatically. ”

~ Paul Sillars, Group Managing Director, Shiloh Marketing Services Pty Ltd

UNIQUELY EFFECTIVE APPROACH TO SECURITY

The AP327X supports the only Wireless Intrusion Prevention System (WIPS) in the industry with high accuracy in classifying access points and client devices, properly enabling automatic prevention of Wi-Fi threats and keeping a network protected from wireless man-in-the-middle attacks, evil twins, honeypots, and more.

FLEXIBLE MANAGEMENT OPTIONS

You can manage the AP327X with either a Firebox®, via the Gateway Wireless Controller and receive a lightweight feature set, or with WatchGuard's Wi-Fi Cloud.

With the Wi-Fi Cloud you get an expanded set of features including patented security, marketing tools, network visibility and troubleshooting, location-based analytics for optimal business insights. IT pros can also enjoy an entirely controller-less Wi-Fi management experience including set up, configuration, monitoring, troubleshooting, and improved corporate and guest Wi-Fi access, without worrying about the limitations of legacy controller infrastructure. Wi-Fi Cloud environments easily scale from one to an unlimited number of access points across multiple locations. Access points can be grouped in many ways including location, building, floor, and customer to maintain consistent policies.

INTELLIGENT NETWORK VISIBILITY AND TROUBLESHOOTING

Wi-Fi Cloud helps IT professionals confidently provide answers to the most challenging Wi-Fi network questions, bringing the most complete set of Wi-Fi visibility, troubleshooting, and network health features ever introduced to the market. Pinpoint meaningful network problems and application issues by seeing when an anomaly occurs above baseline thresholds and remotely troubleshoot.*

FEATURES & BENEFITS

- Four N-Type external connectors offer a variety of external antenna choices for flexible pattern coverage capabilities (Antennas sold separately)
- The IP67 sealed enclosure provides protection in harsh weather conditions and can be mounted with direct exposure to the elements – no overhang or shelter required
- AP327X takes less than two minutes to activate and configure after connecting to the Wi-Fi Cloud
- Support for up to eight individual SSIDs per radio allows for maximum flexibility in network design
- Smart steering automatically pushes clients with low speeds to a closer access point*
- Application firewall for over 1,900 applications*, network connection, and performance anomaly detection
- AP327X continues to scan for wireless threats and enforces security policy even if the connection with the Wi-Fi Cloud is interrupted*

* Must have Wi-Fi Cloud enabled with Secure Wi-Fi or Total Wi-Fi license.

PHYSICAL SPECIFICATIONS

	Property	Specification
	Physical Dimensions	213.9 mm x 213.9 mm x 67.5 mm
	Weight	3.95 lbs, 1.78 kg
	Operating Temperature	-40°C to 65°C (-40°F to 149°F)
	Operating Humidity	-5% to 95% non-condensing
	Non-operating Temperature	-40°C to 70°C (-40°F to 158°F)
	Non-operating Humidity	5% to 95%, non-condensing
	Storage Temperature	0°C – 45°C (32°F to 113°F)
	Power Consumption	19 W (max) / 11 W (min) / 16 W (avg)
	Chipset	Qualcomm QCA IPQ4029 + QCA8075
Processor and RAM	Qualcomm IPQ4029-1-583MSP with 512MB RAM and 128MB Flash	

	Port	Description	Connector Type	Speed/Protocol
	LAN1/ PoE	Gigabit Ethernet port that enables the device to connect to the wired LAN and communicate with the WatchGuard Wi-Fi Cloud or Server. This port is also used to power the device using the 802.3at Power over Ethernet Plus (PoE+) standard.	IP67 rated weather-proof RJ-45	10/100/1000 Mbps Gigabit Ethernet 802.3at PoE+
	LAN2	Gigabit Ethernet port that can be used for wired extension for an SSID	IP67 rated weather-proof RJ-45	10/100/1000 Mbps Gigabit Ethernet
	Reset	Reset to factory default settings	Push button	Hold down a power cycle to reset the device

WI-FI SPECIFICATIONS – Frequency, Modulation, and Data Rates

IEEE 802.11b/g/n			
Frequency Band	Scanning	Transmission	
	All regions	USA & Canada (FCC/IC)	Europe (ETSI)
	2412 ~ 2472 MHz	2412 ~ 2462 MHz	2412 ~ 2472 MHz
Modulation Type	DSSS, OFDM		
Data Rates	Up to 400 Mbps (MCS 0-23) with automatic rate adaptation		

IEEE 802.11a/n/ac			
Frequency Band	Scanning	Transmission	
	All regions	USA & Canada (FCC/IC)	Europe (ETSI)
	5.15 ~ 5.85 MHz	5.15 ~ 5.85 MHz	5.15 ~ 5.72 MHz
Dynamic Frequency Selection	DFS and DFS2		
Modulation Type	OFDM		
Data Rates	Up to 867 Mbps (MCS 0-9) with automatic rate adaptation		

Maximum Power Values	
Maximum Transmit Power	24 dBm
Receive Sensitivity	-93 dBm

COUNTRY-WISE MAX TRANSMIT POWERS (dBm)

Countries	2.4 GHz	5 GHz
Australia	20	23
Canada	30	23
India	20	20
Israel	20	20
Japan	20	20
UAE	20	17
USA	20	23

Note:

The actual transmit power will be the lowest of:

- Value specified in the Device Template
- Maximum value allowed in the regulatory domain
- Maximum power supported by the radio

Access Point Mode:

- WPA/WPA2 (802.11i) with TKIP or AES-CCMP encryption and PSK or 802.1x authentication
- Integrated WIPS background wireless scanning and Rogue AP prevention

WIPS Sensor Mode:

- Dedicated dual-band WIPS scanning for complete 24/7 protection from wireless threats

REGULATORY SPECIFICATIONS
RF and Electromagnetic

Country	Certification
USA	FCC
Canada	IC
Europe	CE EN Countries covered under Europe certification: Austria, Belgium, Cyprus, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Iceland, Luxembourg, Latvia, Lithuania, Malta, Netherlands, Norway, Poland, Portugal, Spain, Sweden, Slovakia, Slovenia, Switzerland, The Czech Republic, UK.

Safety

Country	Certification
USA	UL
Canada	cUL
European Union (EU)	EN, RoHS

ORDERING INFORMATION

Access Point

Part Number	Description
WGA37723	WatchGuard AP327X and 3-yr Total Wi-Fi Total Wi-Fi Package includes AP with subscription to manage that AP in Wi-Fi Cloud, Standard Support, WIPS, Engage Captive Portals, Analyze Location Analytics, and Go Mobile Web App
WGA37721	WatchGuard AP327X and 1-yr Total Wi-Fi Total Wi-Fi Package includes AP with subscription to manage that AP in Wi-Fi Cloud, Standard Support, WIPS, Engage Captive Portals, Analyze Location Analytics, and Go Mobile Web App
WGA37733	WatchGuard AP327X and 3-yr Secure Wi-Fi Secure Wi-Fi Package includes AP with subscription to manage that AP in Wi-Fi Cloud, Standard Support, and WIPS
WGA37731	WatchGuard AP327X and 1-yr Secure Wi-Fi Secure Wi-Fi Package includes AP with subscription to manage that AP in Wi-Fi Cloud, Standard Support, and WIPS
WGA37703	WatchGuard AP327X and 3-yr Basic Wi-Fi Basic Wi-Fi Package includes AP with subscription to manage that AP with a Gateway Wireless Controller and Standard Support
WGA37701	WatchGuard AP327X and 1-yr Basic Wi-Fi Basic Wi-Fi Package includes AP with subscription to manage that AP with a Gateway Wireless Controller and Standard Support

Power Options (sold separately)

Part Number	Description
WG8599 (US)	WatchGuard 802.3at PoE+ Injector with AC cord (US)
WG8600 (EU)	WatchGuard 802.3at PoE+ Injector with AC cord (EU)
WG8601 (UK)	WatchGuard 802.3at PoE+ Injector with AC cord (UK)
WG8602 (AU)	WatchGuard 802.3at PoE+ Injector with AC cord (AU)

Dual-Band Omni Antennas (sold separately)

Part Number	Description
WG9004	WatchGuard Dual-Band Omni Antennas (5/7 dBi) Two Omni-directional (360 degree) dipoles designed to be used with the AP327X outdoor access point and suitable for any access point with N-Type connectors.

MOUNTING INFORMATION

Mounts to walls and vertical poles

Accessories Included	Wall-mount accessories and stencil
	Pole mount accessories
	Ground wire



AP327X



2.4GHz Antenna 4 5GHz Antenna 3 2.4GHz Antenna 2 5GHz Antenna 1



LAN2 LAN1 (POE+) Reset Button

WATCHGUARD HAS YOU COVERED, INDOORS AND OUT

No matter what your wireless battleground is – remote offices, guest Wi-Fi, corporate access, public hotspots, outdoor environments – WatchGuard has a range of access points to fit your business needs. WatchGuard’s Wi-Fi packages allow you to quickly and easily find the right set of features your business needs today...and tomorrow.

WatchGuard Wi-Fi Solution	Total Wi-Fi	Secure Wi-Fi	Basic Wi-Fi
Management Platform	Wi-Fi Cloud	Wi-Fi Cloud	Firebox Appliance*
Scalability Number of managed access points.	Unlimited	Unlimited	Limited**
Configuration and Management SSID configuration with VLAN support, band steering, smart steering, fast roaming, user bandwidth control, Wi-Fi traffic dashboard.	✓	✓	✓
Additional Wi-Fi Cloud-Based Management Radio Resource Management, Hotspot 2.0, enhanced client roaming, nested folders for configuration before deployment, integration with 3rd party WLAN controllers.	✓	✓	
Intelligent Network Visibility and Troubleshooting Pinpoint meaningful network problems and application issues by seeing when an anomaly occurs above baseline thresholds and remotely troubleshoot.	✓	✓	
Verified Comprehensive Security A patented WIPS technology defends your business from the six known Wi-Fi threat categories, enabling a Trusted Wireless Environment.	✓	✓	
GO Mobile Web App Quickly and easily set-up your WLAN network from any mobile device.	✓	✓	
Guest Engagement Tools Splash pages, social media integrations, surveys, coupons, videos, and so much more.	✓		
Location-Based Analytics Leverage metrics like footfall, dwell time, and conversion to drive business decisions and create customizable reports.	✓		
Support Hardware warranty with advance hardware replacement, customer support, and software updates	Standard	Standard	Standard

*Requires Firebox with active support contract. **20 access points recommended for each Firebox model. For the T-15 Firebox model 4 access points are recommended.

NO NEED TO RIP AND REPLACE, JUST ADD WIPS

Each WatchGuard access point has the flexibility to operate as both an access point and a dedicated WIPS security sensor. This means that when deployed as dedicated WIPS sensors, the devices work with your existing access points (Cisco, Aruba, Ruckus, Ubiquiti, etc) and add enterprise-grade wireless security protection to your network. In this case, instead of delivering secure Wi-Fi traffic to users, we deliver unprecedented WIPS security protection that is 100% dedicated to scanning the air and protecting your business from wireless threats.

For additional details, talk to your authorized WatchGuard reseller or visit

<https://www.watchguard.com/wifi>

About WatchGuard Technologies, Inc.

WatchGuard® Technologies, Inc. is a global leader in network security, secure Wi-Fi, multi-factor authentication, and network intelligence. The company’s award-winning products and services are trusted around the world by nearly 10,000 security resellers and service providers to protect more than 80,000 customers. WatchGuard’s mission is to make enterprise-grade security accessible to companies of all types and sizes through simplicity, making WatchGuard an ideal solution for midmarket businesses and distributed enterprises. The company is headquartered in Seattle, Washington, with offices throughout North America, Europe, Asia Pacific, and Latin America.

To learn more, visit WatchGuard.com.