

## ORiNOCO® AP-9200R, 专为户外使用而设计的双射频 802.11ac wave2 接入点

ORiNOCO® AP-9200R 充分利用 Proxim 在 Wi-Fi 和室外系统方面的专业知识, 提供了一个可供室外使用的双射频 802.11ac wave2 接入点。

ORiNOCO® AP-9200R 具有一个 2.4 GHz MIMO 3x3:3 和一个 5 GHz MU-MIMO 4x4:4 无线电, 可提供高达 2 Gbps 的聚合数据速率和无与伦比的灵活性。此外, 它还受益于 Proxim Tsunami® 产品的防风雨设计。

由于 802.11ac wave2 优势, 包括运营商、中小型企业、医疗保健、政府和公共安全部门在内的各种规模的组织都可以获得比现有有线和无线 LAN 更高的性能优势: 多用户同时访问、显着提高的吞吐量和更远的范围。

### 高性能

ORiNOCO® AP-9200R 产品使各种规模的企业能够将其 LAN 扩展到室外, 同时为其现有以太网网络提供更高的性能。

- 双射频速率为 1733 + 450 Mbps 的高性能
- 在 5 GHz 时提供高达 27 dBm (4 RF) 的高功率无线电
- 2.4 GHz 时高达 26 dBm (3RF)
- 四重播放应用的高可靠性
- 双 IPv4 和 IPv6 堆栈可透明地向未来网络演进。

### 高度安全

ORiNOCO® AP-9200R 提供企业级安全性, 确保对敏感信息的全面保护

- 基于 802.11i 的安全性, 采用 AES 128 加密和基于 802.1x Radius 的身份验证
- 恶意扫描列出周围设备
- 安全管理 (SSL/TLS1.2、SSH 和 SNMPv3) 防止不必要的配置更改
- IP67 防护等级外壳, 带浪涌保护以太网端口

### 易于部署

ORiNOCO® AP-9200R 是一款独立运行的 Fit 接入点

- 高性能 CPU 本地管理流量和 QoS
- 低功耗蓝牙接口, 可通过 Proxim BlueConnect 智能手机应用程序 (Android 和 iOS) 轻松配置

### 集中管理带来无与伦比的灵活性和便利性

ProximVision® Advanced 支持 ORiNOCO® 设备, 为网络架构师提供无与伦比的灵活性和对设备的控制。

- 快速网络部署: 自动化配置过程以更快,
- 更高效地部署 Proxim 无线网络
- 高级配置功能: 使用基于软件的工具为网络管理员提供详尽的设备配置选项
- 更易于使用和升级: 比具有竞争力的价格解决方案支持更多的设备, 并提供最简单的配置路径
- 和升级

### 高级功能

ORiNOCO® AP-9200R 功能齐全。

- 具有 VLAN 分配的多 SSID, 以及以太网端口访问和中继模式
- 802.11e 服务质量
- 公共热点与主页重定向和围墙花园的集成。
- HotSpot 2.0 可自动发现公共 Wi-Fi 并无缝进行身份验证

#### About Proxim Wireless

Proxim Wireless is a pioneer and global leader in advanced Wi-Fi, point to point, and point to multipoint outdoor wireless systems that deliver high performance and high availability communications.

With over 30 years of wireless experience, Proxim is recognized for its unparalleled reliability, superior performance and drive for innovation.



## 规格

PRODUCT MODELS										
AP-9200R	ORINOCO® AP-9200R, MU-MIMO 4x4 w2, dual radio, connectorized outdoor Access Point						903-00035 AP-9200R-US 903-00936 AP-9200R-WD			
INTERFACES										
WIRED ETHERNET	One auto MDI-X RJ45 10/100/1000Mbps Ethernet									
WIRELESS PROTOCOL	Radio #1:					Radio #2:				
	802.11a/n/ac w2					802.11b/g/n				
RADIO & TX SPECS										
	Radio #1					Radio #2				
FREQUENCY	5.150 – 5.925 GHz (Subject to Country Regulations)					2.400 – 2.484 (Subject to Country Regulations)				
	802.11ac		802.11n		802.11a	802.11n		802.11g	802.11b	
MIMO	4x4:4		4x4:4		N/A	3x3:3		N/A	N/A	
MODULATION	OFDM BPSK-QAM256		OFDM BPSK-QAM64		OFDM BPSK- QAM64	OFDM BPSK-QAM64		OFDM BPSK- QAM64	DSSS DBPSK- CCK	
DATA RATE	Upto 1733 Mbps		Upto 600 Mbps		Upto 54Mbps	Upto 450 Mbps		Upto 54 Mbps	Upto 11 Mbps	
	80 MHz	40 MHz	20 MHz	40 MHz	20 MHz	20 MHz	40 MHz	20 MHz	20 MHz	20 MHz
TX POWER	MCS0: 18	MCS0: 20	MCS0: 21	MCS0: 20	MCS0: 21	6 Mbps: 21	MCS0: 20	MCS0: 21	6 Mbps: 21	1 Mbps: 21
	MCS9: 14	MCS9: 15	MCS8: 16	MCS7: 16	MCS7: 17	54 Mbps: 19	MCS7: 117	MCS7: 18	54 Mbps: 18	11 Mbps: 20
RX SENSITIVITY (Per=10 <sup>-6</sup> )	MCS0: -84	MCS0: -86	MCS0: -89	MCS0: -86	MCS0: -89	6 Mbps: -86	MCS0: -88	MCS0: -91	6 Mbps: -91	1 Mbps: -93
	MCS9: -59	MCS9: -62	MCS8: -67	MCS7: -67	MCS7: -72	54 Mbps: -72	MCS7: -69	MCS7: -72	54 Mbps: -74	11 Mbps: -89
OTHER	Auto Channel Selection (ACS) Dynamic Frequency Selection (DFS) based on radar signature					Auto Channel Selection (ACS)				
THROUGHPUT										
	Radio #1					Radio #2				
	Up to 810 Mbps					Up to 190 Mbps				
ANTENNA										
	Radio #1					Radio #2				
	Four RP-SMA Connectors Four 7 dBi, omni-directional antenna provided					Three RP-SMA Connectors Three 7 dBi, omni-directional antenna provided				
SECURITY										
AUTHENTICATION	Enterprise/802.1x, Personal/ PSK (Pre Shared Key) or Open plus Internal MAC Address Control List									
802.1X SUPPORT	PEAP, LEAP, EAP-TLS, EAP-TTLS, EAP-SIM, EAP-AKA, EAP-FAST									
ENCRYPTION	802.11i/WPA2 and WPA Wireless Security with AES-128, TKIP or WEP									
WIRELESS										
AP-AP COMMUNICATION	WDS with STP loop avoidance									
RF ENVIRONMENT	Spectrum analyzer									
OTHER	802.11h Spectrum and Transmit Power Management Extensions									
QoS										
PACKET CLASSIFICATION	802.11e/WMM Enhanced Distributed Channel Access, 4 priority queues 802.1p priority, IPTOS									
HOTSPOT										
	Home Page Redirect with configurable URL and Domain based Walled Garden with wild card support Hotspot 2.0									

MANAGEMENT				
REMOTE	Telnet and SSH, Web GUI and SSL/TLS1.2, TFTP, SNMPv3			
SNMP	SNMP v1-v2c-v3, RFC-1213, RFC-1215, RFC-2790, RFC-2571, RFC-3412, RFC-3414, Private MIB			
OTHER	802.11d / 802.11h Spectrum and Regulatory Features			
POWER				
	802.3af/at Compliant			
NETWORK				
IP STACK	IPv4 and IPv6 simultaneously			
VLAN	802.1Q: Management VLAN. Transparent, Access and Trunk mode. Radius based VLAN assignment			
POWER CONSUMPTION				
	27 W typical, 30 W max			
ENVIRONMENTAL SPECS	OPERATING TEMPERATURE	STORAGE TEMPERATURE	HUMIDITY - IP RATING	WIND LOADING
	-30° to 55°C (-22° to 131° Fahrenheit)	-50° to 70°C (-58° to 158° Fahrenheit)	100% relative humidity – IP67	180 km/h (112.5 mph)
PHYSICAL SPECS	DIMENSIONS PACKAGED	DIMENSIONS UNPACKAGED	WEIGHT (PACKAGED)	WEIGHT (UNPACKAGED)
	310 x 226 x 98 mm (12.2 x 8.9 x 3.85 in)	170 x 217 x 56 mm (6.7 x 8.55 x 2.2 in)	3.00 kg (6.61 lbs)	1.20 kg (2.65 lbs)
SAFETY STANDARDS				
	UL/IEC/EN 62386-1			
CERTIFICATIONS				
USA	FCC part 15B class B (EMC), part 15C (Bluetooth + 2.4 GHz radio) and part 15E (5 GHz radio)			
Canada	RSS-247 issue 2, RSS-102 issue 5, ICES-003 issue 7			
Europe	RED EN 301 489-1 + EN 301 489-17 + EN 300 328 + EN 301 893 + EN 302 502			
PACKAGE CONTENTS				
	<ul style="list-style-type: none"> <li>• One ORiNOCO® AP-9200R with seven RP-SMA connectors</li> <li>• Four 5 GHz, 7 dBi omni antennas</li> <li>• Three 2.4 GHz, 7 dBi omni antennas</li> <li>• One M25 weather proofing cable gland</li> <li>• One power injector and country specific power cord</li> <li>• One full axis mounting kit</li> <li>• One Grounding kit</li> <li>• One Quick Installation Guide</li> </ul>			
MTBF & WARRANTY				
	>250 000 hours, 2-year warranty, ServPak Extended Support available.			