



Enterprise WLAN Infrastructure

Inside outside enterprise mobility



***From the largest of enterprises with offices
around the world to small businesses, you can
count on Motorola for the secure and reliable
wireless voice and data services your mobile
workers need to achieve peak efficiency —
and productivity.***



When you need dependability.

Motorola's wireless switch family is packed with Motorola-only patented features for a superior wireless LAN connection your employees can count on.



Wi4 Indoor enterprise wireless LAN infrastructure — delivering the anywhere anytime mobility you need to streamline your business

You have made the decision to untether your network to extend vital business applications to your mobile employees. Now you need to select the foundation of your mobility solution: your wireless LAN infrastructure. To make the best choice, you must navigate through a wide variety of requirements:

You need a system that can:

- Deliver seamless mobility: pervasive and persistent application connectivity at the point of activity with superior quality of service
- Extend wireless connectivity when and where you need it — inside your four walls, out in the yard, in remote buildings inside your campus environment as well as branch offices

- Secure your company data, the mobile devices and your network infrastructure against attacks and unauthorized access
- Manage your entire enterprise mobility solution — without overtaxing your IT staff
- Provide all the complex functionality you need to support your applications today as well as tomorrow — yet is easy to deploy and manage
- Enable remote troubleshooting and resolution of end-user issues, quickly and easily — an essential capability for enterprises with branch offices
- Grow with you, one and can scale easily to meet increased capacity requirements and well as provide a migration path to integrate emerging RF technologies

And finally, you need a system that will deliver the best value for the money.

When you need it all — inside outside mobility, enterprise class security, manageability, a full range of services, superior performance, scalability, and real value — Motorola's wi4 Indoor portfolio delivers.

Motorola's complete portfolio of wireless LAN infrastructure is built on an integrated upgradeable platform, allowing you to cost-efficiently extend wireless networking in your headquarters, mid-size and small branch offices — complete with ease of integration and manageability.



A complete portfolio: the intelligent foundation for enterprise mobility

Motorola wireless LAN solutions are designed to meet the needs of any size enterprise — and any environment. Choose from:

- Wireless switches that offer centralized easy-to-manage wireless connectivity
- Access points designed to provide a cost-effective wireless connection for small businesses and branch offices, as well as outdoors or in hard-to-wire areas of the enterprise
- Bridges and client adapters provides virtually any device with wireless connectivity — from handheld computers and PDAs to notebook computers, printers, scales, manufacturing machinery, point-of-sale devices, time clocks and more
- A complete suite of end-to-end management software that enables accurate WLAN design, around-the-clock monitoring and day-to-day centralized management of your entire mobility solution — from your wireless LAN infrastructure to mobile devices and wireless applications.

Why choose Motorola?

When you choose Motorola for your wireless LAN infrastructure, you get more than just a wireless LAN. You get a single powerful integrated platform capable of meeting the requirements of any size enterprise, delivering:

...performance you can count on.

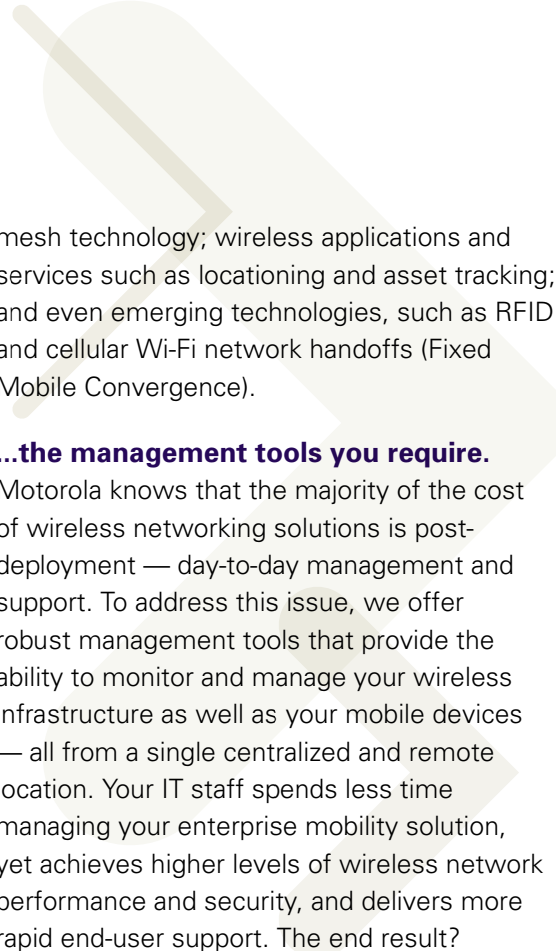
Your mobility solution is only as good as the quality of your wireless LAN connectivity. Put your wireless networking needs in the hands of the inventor of the first and second generation wireless LAN architecture — Motorola. With Motorola, you can count on a dependable wireless connection that will keep your employees up and running, connected to your business systems, and productive. Our wireless infrastructure is packed with unique features and functionality that deliver a reliable wireless connection and dependable quality of service — regardless of whether your users are interacting with simple or complex data applications, capturing images, viewing video, talking on the phone, processing e-mail and more.

...mobility with a difference.

Patented 'Motorola only' mobility features are designed to manage the unique challenges that mobility presents. For example, pre-emptive roaming and load balancing work hand-in-hand to ensure the outstanding wireless application performance with the required enterprise-level quality of service (QoS) — even while workers are on-the-move throughout your environment. Our systems offer capabilities that ensure optimal performance on a simple Layer 2 or a more complex Layer 3 network, from Virtual AP (for broadcast domain separation over the air) admission control and Wi-Fi Multimedia Extensions (WMM) to battery life optimization and fast roaming options.


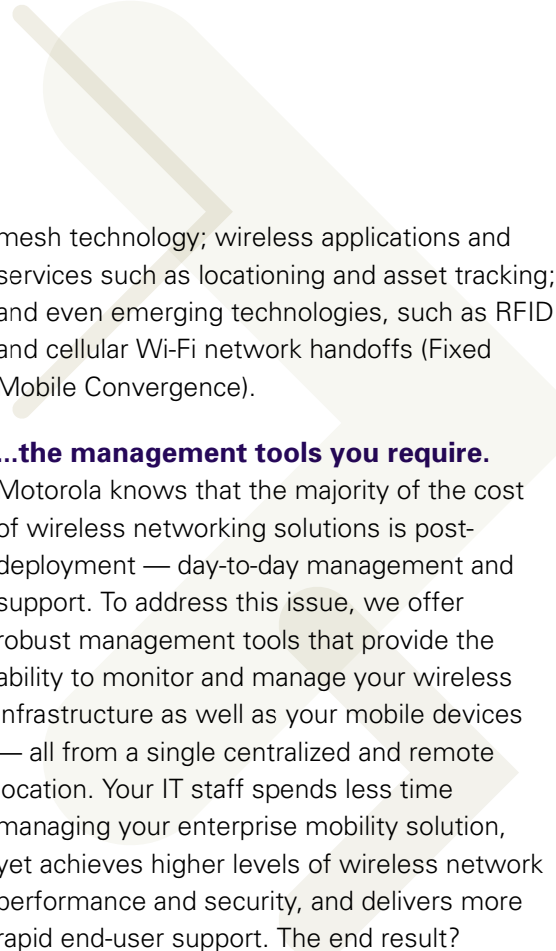
...the services you need.

Motorola's open architecture is designed to support the world of possible mobile services, delivering the benefits and simplicity of a single wireless networking infrastructure to support wireless data; Voice-over-IP (VoIP) services;



mesh technology; wireless applications and services such as locationing and asset tracking; and even emerging technologies, such as RFID and cellular Wi-Fi network handoffs (Fixed Mobile Convergence).

...the management tools you require.



Motorola knows that the majority of the cost of wireless networking solutions is post-deployment — day-to-day management and support. To address this issue, we offer robust management tools that provide the ability to monitor and manage your wireless infrastructure as well as your mobile devices — all from a single centralized and remote location. Your IT staff spends less time managing your enterprise mobility solution, yet achieves higher levels of wireless network performance and security, and delivers more rapid end-user support. The end result? Maximum system uptime — and maximum user uptime.

...the security you demand.

Regardless of the size of your organization — from large enterprises with multiple branch locations around the world to smaller businesses — Motorola provides the enterprise security you need to safeguard your wireless network, mobile devices and company data. Our comprehensive suite of security mechanisms offers end-to-end layered security that enables you to deploy the right level of security, when and where you need it. Security functionality includes support for WPA2-AES; integrated AAA/Radius server with WPA/WPA2 termination capabilities on the box; enhanced integrated wireless

intrusion detection capabilities; an overlay 24x7 monitoring and intrusion protection system; stateful packet inspection firewall; and an integrated VPN Gateway.

...architecture simplicity.

Our wireless switches are built on a best-practices overlay architecture that integrates easily into and extends your existing wired infrastructure — the cost, expense and complexity associated with managing a distributed wireless network is eliminated. The cost-efficient and upgradable centralized intelligence reduces capital and operational expenses — there is no need to replicate intelligence across the network; forklift upgrades are eliminated; and deployment, management, and support are faster and easier than ever before.

...the ability to grow with you.

Regardless of how your needs may grow and change, or what new standards may be developed, Motorola wireless LAN infrastructure is designed to grow and change with you. The ability to add capacity and new functionality ensures that your investment is capable of meeting your needs today — as well as in the future. Adding capacity for a growing employee base or to extend your mobility solution to additional locations around the world is as easy as adding more wireless switches and access ports. And since the intelligence is centralized in the wireless switch, adding support for new security standards and features is simple and cost effective.

Real business value: premium performance at the right price

When you choose Motorola's wireless LAN solutions, you get real business value:

Investment protection

The ability to easily upgrade the system to support new standards, features, functionality and capacity ensures that the system you select today will continue to meet your needs well into the future.

Lower TCO

The centralized intelligence of Symbol's Wireless Switch system reduces your hardware, management and on-going support costs, delivering a lower total cost of ownership.

Rapid return on investment

With simplified deployment and a robust wireless experience, your employees are up and running quickly and easily, with productivity increases that ultimately improve your bottom line — from increased sales and improved service to better utilization of assets, better customer retention, and more.

The expertise that only a market leader can provide

When you choose Motorola, you get the peace of mind that comes from selecting time-tested products and technologies in your industry — the same devices that keep mobile employees in many of the world's leading companies up and running every day. In fact, Motorola boasts one of the world's largest

wireless LAN deployments, with nearly 6,000 wireless switches and 100,000 access ports. But regardless of whether you need mobility for the largest enterprise or a smaller business, our wealth of experience in deploying wireless networks in leading businesses across markets allows us to deliver a wireless network incorporates the best practices in your industry — from retail and manufacturing to healthcare, government, transportation and logistics, warehousing and distribution.

Groundbreaking products from the true pioneer of wireless networking

Motorola enjoys a long-standing status as a true pioneer of wireless local area networking (LAN). Credited with creating and driving the development of the wireless LAN, our long line of firsts includes the invention of first and second generations wireless LAN architecture — from the first wireless LAN in 1989, the first IEEE 802.11 wireless LAN in 1994, the first VoIP phone in 1998, and the first wireless LAN switch in 2002. And Motorola remains at the forefront of the industry, continuing to develop groundbreaking new technologies and features that enable enterprises to take mobility — and its benefits — to new heights.

For more information

When it comes to selecting a wireless LAN portfolio for the foundation of your enterprise mobility solutions, put your organization in the hands of the industry leader. To learn more about how your enterprise can benefit from Motorola wireless LAN solutions, please visit us on the web at www.motorola.com/enterpriseWLAN, or access our global contact directory at www.symbol.com/contact

Wireless infrastructure

As the creator of first and second generation enterprise wireless LAN architecture, Motorola offers a complete line of wireless networking products packed with Motorola-only features that deliver a dependable and reliable wireless connection. From large enterprises with global offices to small businesses, you can count on Motorola's wireless infrastructure to get and keep your mobile employees up, running and productive — all day, every day.

Wireless Switches

Motorola Wireless Switches provide high-performance cost-effective centralized wireless networking for any size enterprise — from small businesses and branch offices to the largest of enterprises with locations around the world.

WS2000



The WS2000 is designed to meet the complete networking needs of small to medium size businesses and enterprise branch offices. This powerful all-in-one solution delivers simplified and cost-effective wired and wireless networking, significantly reducing your up-front and ongoing networking costs. The WS2000 offers support for the most demanding applications, including voice and video. And the ability to easily scale and upgrade combines with full redundancy capabilities to provide a secure and reliable wireless networking platform for today and tomorrow.

WS5100



The WS5100 Wireless Switch from Motorola provides enhanced mobility capabilities for the enterprise. Based on Motorola's Wi-NG (Wireless Next Generation) architecture, the WS5100 enables campus-wide roaming across subnets without the need to re-authenticate, increased voice capacity, integrated intrusion detection and IPSec VPN gateway, clustering support and built-in management tools.

RFS7000



Designed for large scale, high bandwidth deployments, the RFS7000 Wireless Switch provides robust, highly scalable support for enterprise mobility. It is designed to handle from 5,000 to 50,000 mobile devices, up to 256 802.11 a/b/g access ports or up to fifty 802.11n access ports, and a minimum of two Gbps of encrypted traffic (AES). Based on our Wi-NG (Wireless Next Generation) architecture, the RFS7000 enables campus-wide roaming across subnets, improved failover capabilities, enhanced quality of service (QoS) and increased voice capacity. Security features include intrusion detection, an IPSec VPN gateway, secure guest access and protection against denial of service attacks.

Access Ports and Points

Motorola Access Ports and Access Points offer flexible deployment options, whether you are deploying a single cell site, a mesh network, or a large installation.

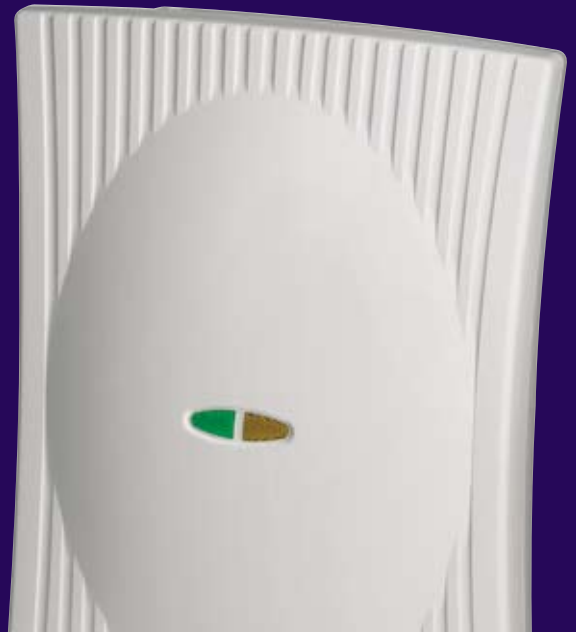
AP300



A key component in Motorola's Wireless Switching portfolio, the AP300 Access Point provides the point of connection between your mobile devices and the wireless switch (the WS5100, WS2000 or RFS7000). This thin, low cost, zero-configuration device is centrally managed from the wireless switch, and does not require manual maintenance. Support for standards-based Power-over-Ethernet eliminates the need for and expense of power cables. Wall, ceiling and above the ceiling mounting options provide complete installation flexibility.

When you need flexibility.

The wi4 Indoor family of access ports and points provides the functionality needed to achieve a cost-effective wireless connection inside your four walls, between buildings or out in the yard.



AP-5131



The AP-5131 Access Point brings enterprise-class wired and wireless networking to small businesses, branch offices and telecommuters working from home. This simple to deploy all-in-one solution offers 802.11a/b/g wireless networking flexibility, the latest wired and wireless security standards, and the speed required to support the most demanding applications — including voice and video. The rugged design is suitable for a wide range of environments. The ability to manage the device either locally or remotely makes it the ideal total networking solution for both smaller and difficult-to-cable locations, and mesh features enable the extension of corporate networks to difficult-to-cable areas — both indoors and outdoors.

AP-5181



The AP-5181 Access Point is specifically designed to deliver enterprise-class wireless networking in harsh outdoor environments. In addition to a NEMA 4X housing, severe-weather features include integrated lightning arrestors, surge protectors, extreme temperature range operation and an array of antenna and power accessories. The self-assembling, self-healing mesh capability supports Wi-Fi multimedia (WMM) extensions to ensure quality of service (QoS) while cost-effectively extending corporate networks beyond and between buildings— with no need to install additional Ethernet cable or fiber.

Bridges and Client Adapters

Provide a reliable and high-performance wireless network connection for handheld mobile computers, PDAs, notebook computers, printers, manufacturing machinery and more with Motorola's complete line of bridges and client adapters.

CB3000



The CB3000 provides an affordable and reliable wireless connection to Ethernet devices that do not have a PC or PCI card slot — from printers, scales and medical equipment to manufacturing machinery, time clocks, point-of-sale devices and more. The plug-and-play device offers enterprise class security, using advanced encryption and authentication mechanisms to keep the network and data safe from unauthorized access. This cost-efficient connection point can support up to 16 wireless clients simultaneously, including one point-of-sale device.

LA-4137

The LA-4137 Wireless Networker CompactFlash® card delivers 802.11b wireless connectivity to mobile computers, PDAs, and notebook computers. Users remain productive and connected to the corporate network, the Internet, e-mail and critical business applications with wireless connectivity to any 802.11b network. Data is protected with enterprise-level security mechanisms. Low power consumption ensures extended battery life and maximum roaming range without loss of connectivity.

LA-5127

The LA-5127 Wireless Networker CompactFlash® card delivers the extended performance of 802.11g as well as 802.11b. It is optimized for embedded and mobile applications worldwide. Ideal for embedded, application specific, enterprise devices and industrial equipment, the LA-5127 offers a rich feature set including robust security (WPA/WPA2 Enterprise), multiple power saving modes, load balancing and roaming. Product release is planned for the first quarter of 2007.

Power-over-Ethernet

Power-over-Ethernet capability eliminates the need and cost associated with installing outlets and running power to access ports and access points, effectively reducing the cost and time associated with wireless network deployment.

802.3af Single Power Port Injector

The Single-Port Power Injector provides the benefits of Power-over-Ethernet for individual access ports. Once the power injector is connected to your Ethernet switch, power and data are then transmitted to the Access Port via the Ethernet cable. The power injector supplies effective independent overload and short circuit protection per port. With the power injector, you can use your current LAN infrastructure to supply power directly to your access ports from a central location, delivering a cost-effective power solution for your small-site deployment.

Mobility management software

Motorola-only mobility software delivers a true value-add for enterprise mobility solutions. This unique family of software solutions enables companies to maximize the benefits and value of mobility by maximizing performance, functionality, manageability and security.

Mobility Services Platform (MSP)

Centralized management of your entire enterprise mobility solution. MSP provides a single point of control for your entire enterprise mobility solution — from your mobile devices to mobile infrastructure and wireless applications. The scalable solution is ideal for any size environment — regardless of whether you are supporting hundreds or thousands of devices, or whether those devices are located locally or around the world. This fully featured solution enables remote provisioning and updating of any and all of the devices in your enterprise mobility solution, and provides complete visibility into devices and applications to support the rapid troubleshooting and issue resolution required to minimize workforce downtime and maintain productivity levels.

When you need superior control and manageability.

Motorola-only management software provides the centralized control you need to achieve maximum performance, functionality and security for your entire mobility solution.

Wireless Intrusion Protection System (IPS)



Around the clock security monitoring. Wireless IPS delivers the tools you need to protect your wireless network infrastructure, mobile devices and wireless traffic from external threats. With Wireless IPS, you can proactively monitor your system for weaknesses and make corrections before a problem occurs. Around the clock monitoring ensures that any security breaches are instantly identified — from rogue devices to attacks — enabling an immediate response. The unique architecture takes the best of distributed and centralized architectures, creating a hybrid platform that offers highly accurate analysis, minimal bandwidth requirements, the elimination of blind spots, and full locating capabilities. The plug-and-play solution is easy to scale, upgrade and manage, bringing a new level of simplicity and cost-efficiency to enterprise level protection against unauthorized access throughout your entire enterprise mobility solution.

RF Management Software (RFMS)



Plan, monitor and analyze wireless network performance. Motorola RF Management Software is an intuitive, browser-based, visual management tool for Wi-Fi site planning, management, troubleshooting and monitoring. RF heat maps display optimal AP placement as an aid to planning, while key performance indicator (KPI) graphs represent network health at a glance. Users can view the status and location of wireless infrastructure devices and clients, search for specific pieces of tagged equipment, identify rogue APs, troubleshoot network issues, generate reports and export raw data. Statistics such as RF coverage, load balancing, redundancy, security threat level and network utilization are graphically displayed, allowing IT professionals to instantly assess network status.

Motorola LAN Planner®



Rapid and accurate design of high performance wireless networks. Ensure that your wireless LAN is designed to deliver maximum performance and value with Motorola LAN Planner — regardless of whether you are adding a new wireless LAN, expanding an existing wireless network or need to plan for the impact of new wireless applications. This comprehensive tool enables the design and deployment of wireless networks that meet the specific capacity, reliability and performance requirements in your environment. The ability to predict and visualize the impact of construction materials, network usage and the potential impact of co-channel interference enables the rapid design of wireless networks that provide superior wireless performance, superior quality of service (QoS) — and superior total cost of ownership (TCO). And post deployment reporting enables validation that the network is performing to expectations.

Motorola's wireless LAN portfolio

Wireless Infrastructure: Wireless Switches



	WS2000 Wireless Switch	WS5100 Wireless Switch	RFS7000* Wireless Switch
Description	The WS2000 Wireless Switch offers an easy to manage network-in-a-box solution for small to medium-sized enterprises and branch offices, including an integrated router, gateway, firewall, and Power-over-Ethernet (PoE).	The Wi-NG based WS5100 provides robust support for enterprise mobility, including increased security, manageability, L3 roaming capabilities and quality of service (QoS).	Designed for large scale, high bandwidth deployments, the RFS7000 provides robust, highly scalable support for enterprise mobility, offering enhanced roaming, security, quality of service and management features.
General Characteristics	<ul style="list-style-type: none"> • 802.11a/b/g • Supports up to 6 802.11a/b/g access ports • Supports up to 8 WLANs • Supports up to 200 mobile devices • Packet filtering: L2/3/4 Stateful Packet Analysis; Network Address Translation • Hotspot capable • Redundancy – Active: Standby • PCI compliant out-of-the-box 	<ul style="list-style-type: none"> • 802.11a/b/g • Wi-NG architecture • Supports up to 48 802.11a/b/g access ports • Supports up to 32 WLANs • Supports up to 4000 mobile devices • Packet filtering: L2/3/4 Stateful Packet Analysis; Network Address Translation • Hotspot capable • Redundancy – Active: Standby; Clustering provides Active:Active; one-to-many availability • PCI Compliant out-of-the-box 	<ul style="list-style-type: none"> • 802.11a/b/g • Wi-NG architecture • Supports up to 256 802.11a/b/g access ports • Supports up to 256 WLANs • Supports up to 8000 mobile devices • Packet filtering: L2/3/4 Stateful Packet Analysis; Network Address Translation • Hotspot capable • Redundancy – Active: Standby; Clustering provides Active:Active; one-to-many availability • PCI Compliant out-of-the-box
Authentication Mechanisms	<ul style="list-style-type: none"> • Access control lists (ACLs) • Kerberos • 802.1x/EAP • Integrated AAA server 	<ul style="list-style-type: none"> • Access control lists (ACLs) • Kerberos • 802.1x/EAP • Integrated AAA server 	<ul style="list-style-type: none"> • Access control lists (ACLs) • Kerberos • 802.1x/EAP • Integrated AAA server
Encryption Mechanisms	<ul style="list-style-type: none"> • WEP 40M28 (RC4) • KeyGuard • WPA-TKIP • WPA2-CCMP (AES) 	<ul style="list-style-type: none"> • WEP 40M28 (RC4) • KeyGuard • WPA-TKIP • WPA2-CCMP (AES) • WPA2 TKIP 	<ul style="list-style-type: none"> • WEP 40M28 (RC4) • KeyGuard • WPA-TKIP • WPA2-CCMP (AES) • WPA2 TKIP
Optimized Wireless QoS	<ul style="list-style-type: none"> • Voice prioritization • Wireless bandwidth management • WMM • SpectraLink Voice Prioritization 	<ul style="list-style-type: none"> • Voice prioritization • Wireless bandwidth management • WMM • SpectraLink Voice Prioritization 	<ul style="list-style-type: none"> • Voice prioritization • Wireless bandwidth management • WMM • SpectraLink Voice Prioritization
Value Add Motorola-only Features	<ul style="list-style-type: none"> • Pre-emptive roaming • Load balancing • Power save polling (PSP) • Virtual AP 	<ul style="list-style-type: none"> • Pre-emptive roaming • Load balancing • Power save polling (PSP) • Virtual AP 	<ul style="list-style-type: none"> • Pre-emptive roaming • Load balancing • Power save polling (PSP) • Virtual AP
Warranty	Hardware – 1 year; Software – 90 days	Hardware – 1 year; Software – 90 days	Hardware – 1 year; Software – 90 days
Recommended Services	<ul style="list-style-type: none"> • Service from the Start Advance Exchange Support • Wireless Infrastructure Device Software Support 	<ul style="list-style-type: none"> • Service from the Start Advance Exchange Support • Wireless Infrastructure Device Software Support 	<ul style="list-style-type: none"> • Service from the Start Advance Exchange Support • Wireless Infrastructure Device Software Support

Wireless Infrastructure: Bridges and Client Adapters



	CB3000	LA-4137	LA-5127
Description	The CB3000 provides robust, enterprise-class wireless connectivity for Ethernet-enabled devices such as printers, scales and point-of-sale equipment without card slots or native wireless capabilities.	The Wireless Networker CompactFlash card delivers 802.11b wireless connectivity to today's pocket PCs, PDAs, computers and embedded equipment with CF sockets or CF-to-PC card adapters.	Optimized for embedded mobile applications, the LA-5127 Wireless Networker CompactFlash card delivers the power of 802.11b/g wireless connectivity to enterprise devices and industrial equipment.
WLAN	<ul style="list-style-type: none"> • 802.11a/b/g 	<ul style="list-style-type: none"> • 802.11b 	<ul style="list-style-type: none"> • 802.11b/g
Security	<ul style="list-style-type: none"> • WEP 40/128 • WPA and AES encryption • 802.1x support with PEAP • EAP/TLS • EAP/TTLS authentication 	<ul style="list-style-type: none"> • WEP 40/128 	<ul style="list-style-type: none"> • WEP • WPA/WPA2 Personal and Enterprise • EAP-TLS • EAP-TTLS • PEAP v0; PEAP v1 • EAP-SIM (802.1x)
Features	<ul style="list-style-type: none"> • Work group bridge with support for up to 16 client devices • Point-of-Sale support for IBM, NEC, and others • Ad hoc mode (CB3000 to CB3000) for easy sharing of printers and other peripherals • Embedded secure web server for anywhere, anytime management • SNMP v2 support for easy integration with standard management systems 	<ul style="list-style-type: none"> • Supports both Pocket PC and Windows PC operating system • CompactFlash form factor type I/II provides support for a wide variety of devices — from notebooks to handheld computers and PDAs • Automatic data rate and channel selection provide optimized throughput and range for continuity of connection • Advanced power management capabilities ensure low power consumption — and extended client device battery life 	<ul style="list-style-type: none"> • Robust security for Linux and Windows applications • CompactFlash type I/II form factor with 16-bit PC card interface • Upgradable hard MAC with on-card memory • Comprehensive software development kit for OEM products • Worldwide regulatory approval backed by Motorola service and support
Warranty	Hardware – 1 year; Software – 90 days	Hardware – 1 year; Software – OEM Development Agreement	Hardware – 1 year; Software – OEM Development Agreement
Recommended Services	<ul style="list-style-type: none"> • Service from the Start Advance Exchange Support • Wireless Infrastructure Device Software Support 	<ul style="list-style-type: none"> • Service from the Start — Bronze 	<ul style="list-style-type: none"> • Service from the Start — Bronze

Wireless Infrastructure: Access Ports and Points



	AP300 (Internal and External Antenna Models)		AP-5131 Access Point		AP-5181 Access Point
Description	Two models offer greater mounting flexibility. Internal antenna model can be mounted anywhere inside the carpeted space; the external antenna model can be mounted above ceiling tiles.	Description	Enterprise-class wired and wireless networking for small offices and retail locations, and mesh networking for cost-effective extension of the corporate network in difficult-to-cable areas.		Specifically designed for outdoor use, Motorola's AP-5181 delivers enterprise-class wireless networking in harsh environments. Support of mesh networking enables rapid and inexpensive deployment in difficult-to-cable areas.
WLAN	802.11a/b/g and 802.11b/g options	General Specifications	<ul style="list-style-type: none"> • 802.11a/b/g; DSSS and ODFM • 802.3af Power-over-Ethernet (PoE) • Mesh networking • Plenum-rated housing • Up to 127 devices supported • -4°F to 122°F/-20°C to 50°C • Desktop; wall; above drop and under-ceiling • Hotspot capable • PCI Compliant out-of-the-box 	<ul style="list-style-type: none"> • 802.11a/b/g; DSSS and ODFM • 802.3af Power-over-Ethernet (PoE) • Mesh networking • Plenum-rated housing; IP56; NEMA 4X • Up to 127 devices supported • -22°F to 131°F/-30°C to 55°C • Wall; pole • Hotspot capable • PCI Compliant out-of-the-box 	
POE	802.3af				
Housing	Plenum-rated (external antenna version only)				
Operating Temperature	Internal antenna model: 32°F to 104°F/0°C to 40°C External antenna model: 4°F to 122°F/-20°C to 50°C				
Wireless Medium	DSSS and ODFM	Security	<ul style="list-style-type: none"> • 802.11i • WPA2 • WPA • 3DES IP Sec encryption • VPN Client • AAA server • Integrated firewall • DHCP server • Rogue AP detection 	<ul style="list-style-type: none"> • 802.11i • WPA2 • WPA • 3DES IP Sec encryption • VPN Client • AAA server • Integrated firewall • DHCP server • Rogue AP detection 	
Security	<ul style="list-style-type: none"> • 802.11i • WPA2 • WPA • 3DES IP Sec Encryption 				
Mounting	Internal model: Wall; ceiling (to suspended ceiling T-bars below tile only) External model: Wall; ceiling (above or below tile)	Optimized Wireless QoS	<ul style="list-style-type: none"> • Voice prioritization • WMM • QoS 		<ul style="list-style-type: none"> • Voice prioritization • WMM • QoS
		Accessories	802.3af power injector		Heavy weather mounting kit; surge-protector power tap kit; outdoor dual-band antennas
Warranty	Hardware — 1 year; Software — 90 days	Warranty	Hardware — 1 year; Software — 90 days		Hardware — 1 year; Software — 90 days
Recommended Services	<ul style="list-style-type: none"> • Service from the Start Advance Exchange Support 	Recommended Services	<ul style="list-style-type: none"> • Service from the Start Advance Exchange Support • Wireless Infrastructure Device Software Support 		<ul style="list-style-type: none"> • Service from the Start Advance Exchange Support • Wireless Infrastructure Device Software Support

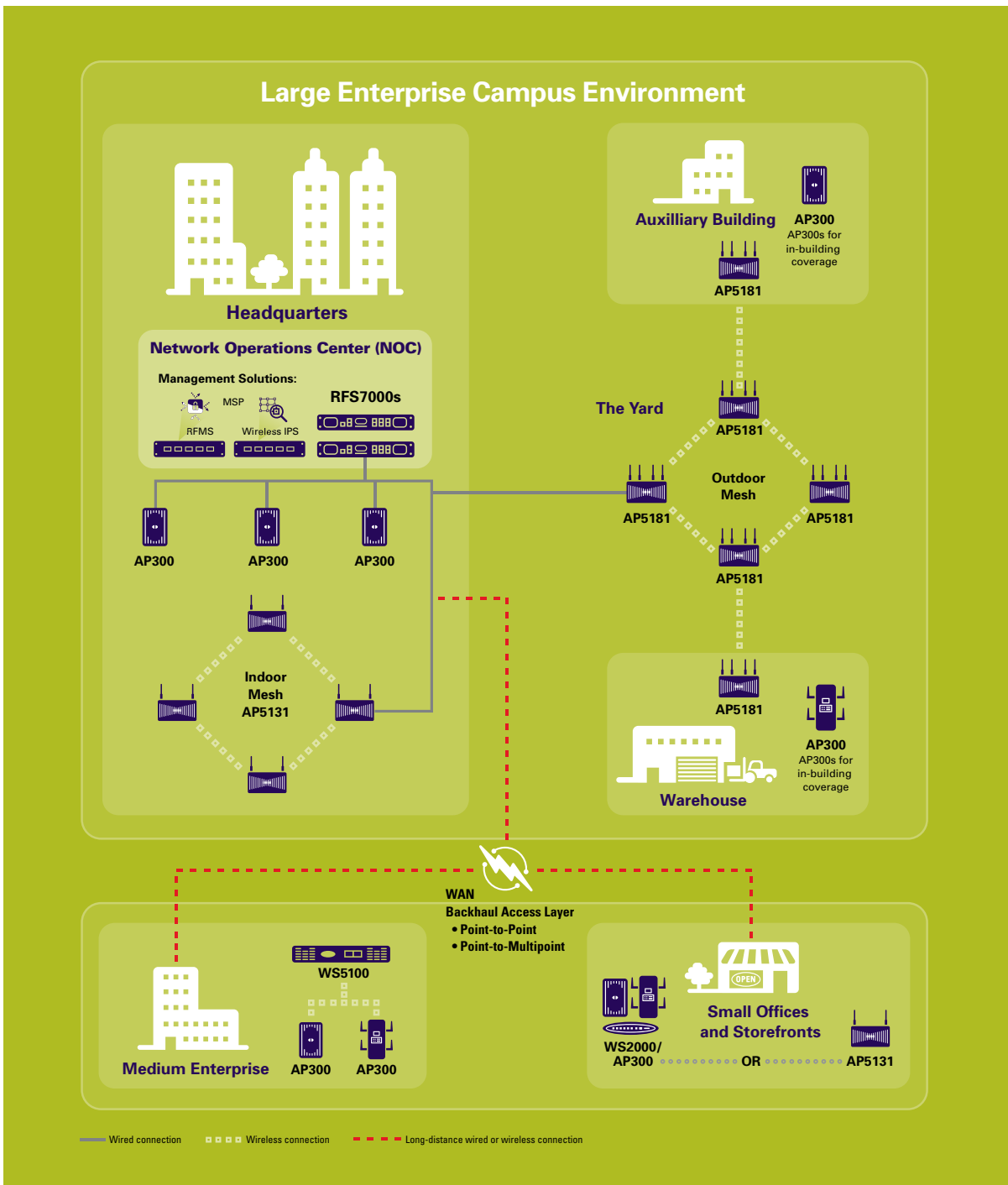
Wireless Infrastructure: Power-over-Ethernet



	802.3af Single Port Power Injector
Description	Delivers power to individual Motorola access ports and access points via standard Ethernet cabling, simplifying installation and eliminating the need — and associated expense — for cabling and power outlets.
Features	<ul style="list-style-type: none"> • Cost-effective power solution for small site deployments • Supports AP300 Access Ports, AP-5131 and AP-5181 Access Ports • Provides effective independent overload and short circuit protection per port • Sleek interlocking housing provides ability to affix multiple devices in an organized fashion • Desktop or wall mount • AC and Ethernet 10/100 ports • Operating temperature: 32°F to 104°F/0°C to 40°C
Warranty	1 year
Recommended Services	Service from the Start Advance Exchange Support

Scalable enterprise wireless infrastructure

Motorola's wi4 Indoor family of enterprise WLAN infrastructure easily scales to meet the needs of any enterprise. Extend cost-effective wireless voice and data throughout your literal and virtual environment with this diverse portfolio — from headquarters with a campus-style environment to mid-size and smaller branch offices to employees working in hotspots or at home. RF agnostic wireless switches provide centralized intelligence, offering superior performance and security as well as low cost-deployment, easy day-to-day management and support for emerging technologies such as RFID, mesh and WiMax. Mesh-enabled access points provide wireless connectivity in hard-to-wire and outdoor areas. And once your wireless network is deployed a complete suite of management tools helps you keep your network up and running at peak performance. Our unique RF management solutions allow you to centrally monitor, troubleshoot and resolve any issues throughout your entire wireless solution — from the network infrastructure to the wireless devices and applications — as well as provide around-the-clock active monitoring to protect your network from attacks and unauthorized intruders.



Wi4 Indoor is a part of the MOTOwi4 comprehensive portfolio of wireless broadband solutions and services that provide high speed connectivity. MOTOwi4 enables a broad range of applications in a host of environments, including email, internet/intranet access, voice, database access, remote video surveillance and other IP-based applications. The MOTOwi4 portfolio also includes wi4 Fixed, wi4 WiMAX and wi4 Mesh solutions for public and private networks.

MOTOwi4 solutions create, complement and complete broadband coverage with high performance networks that are cost-effective, fast, easy-to-deploy, scalable and secure. These solutions allow our customers to reach new spaces to transform operations, increase efficiency, and enhance customer and public service.



MOTOROLA

www.motorola.com/enterpriseWLAN

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