

Overview

Models

HP RF Manager Controller with 50-sensor License
HP MSM415 RF Security Sensor

J9521A
J9522A

Key features

- Full support for HP and 3rd party WLANs
- Automatic intrusion threat prevention
- Central management of security policies
- Complete reporting & predefined compliance reports
- Roles-based administrative rights

Product overview

HP RF Manager Controller with 50-sensor license detects and prevents of wireless threats with automated policy-based security and location-tracking capabilities with full support for all 802.11 WLAN networks. It eliminates false positive alerts and uses patented automatic classification and mitigation techniques to block unauthorized wireless traffic without disrupting the performance of authorized wireless devices. It works with HP MSM and HP AirProtect RF Security sensors in the network to continuously scan 802.11 a/b/g and 802.11n networks for wireless threats and enforce their mitigation. It prevents multiple threats while scanning for new threats, providing industry-leading wireless protection, and can be deployed to enforce a no WiFi policy. It has predefined compliance reports for Health Insurance Portability and Accountability Act (HIPAA), PCI, Sarbanes-Oxley Act, Gramm-Leach-Bliley Act, and Department of Defense (DoD) Directive 1800.2.

Features and benefits

Intrusion detection/prevention system (IDS/IPS)

- **Industry-leading threat detection:** RF Manager protects your organization from emerging threats including comprehensive 802.11n rogue APs, Multi-Pot threats, Denial of Service, and WEP cracking attacks. HP's DoS prevention disrupts malicious behavior and reclaims bandwidth for your authorized APs and clients keeping your mission critical applications running at optimal efficiency.
- **360 degree visibility into wireless traffic:** RF Manager enables customers to protect both wired and wireless networks from wireless vulnerabilities. By continuously scanning the airwaves, RF Manager automatically protects businesses against data leakage through the wireless network. RF Manager can rapidly and proactively detect and eliminate threats through accurate and robust automated classification of wireless devices.
- **Simplified and comprehensive reporting tools:** Automated report generation and delivery make complex wireless audits a "hands off" process.
- **Scalable from mid-market to large enterprise:**
 - supports all HP and third party wireless solutions
 - manage up to 250 sensors per server (HP RF Manager J9521A). (Note that controllers prior to J9521A support a lower maximum number of sensors.)
- **Advanced WIPS Option:**
 - WLAN Performance Management summarizes issues with configurable alerts on bandwidth, configuration, RF coverage, and interference status, has customizable controls for severity, display, notification and real-time alerts of performance events
 - Smart Forensics enables two-click drill down for accurate threat detection/analysis, physical location tracking, and audit trails of system/admin actions
 - Supported only on RF Manager v6.0 and later



Overview

Technical features

- **Wireless IDS/IPS features:**
 - Accurately auto-classifies APs and client devices using patented auto-classification techniques to block genuine threats
 - Automatically prevents denial-of-service attacks; prevents more than 20 threats simultaneously from a single sensor while continuing to scan for threats
 - Locates unauthorized WiFi devices on floor map for quick removal
 - Blocks unauthorized traffic without network disruption
 - Sends an alarm when a policy violation occurs via email, SNMP, and syslog
- **Protection against rogue IEEE 802.11a/b/g/n access points and wireless networks:** leverages deployed HP RF sensor devices in the network such as the MSM415, MSM325, MSM335, and MSM320 with RF Security sensor license to provide 24 x 7 security detection and prevention capabilities for the wireless network. Also supported are HP AirProtect Sensors 5750 and SS-300.
- **WEP cracking and impersonation attacks:** protect against active WEP cracking and impersonation attacks
- **Integration with HP MSM Controller:** reduces administration time and effort through automatic synchronizing of authorized APs and clients with MSM controllers
- **Central management of security policies:** gives administrators the flexibility to customize wireless security policies with site-specific guidelines
- **Out-of-the-box and custom reports:** emailed hourly, daily, or at custom-defined intervals, these reports help to ensure that administrators always have the essential information they need to manage the network effectively
- **Automated regulatory compliance reporting:** simplifies performing internal and regulatory audits with easy to use auditing and reporting tools. Predefined reports map wireless vulnerabilities to specific data security compliance standards such as PCI, Sarbanes-Oxley (SOX), HIPAA, Gramm-Leach-Bliley (GLBA), and DoD Directive 8100.2. On-wire/off-wire classification filters neighboring devices from the reports, eliminating the guesswork and time needed to validate vulnerability scans.
- **Roles-based administrative rights:** provide the proper levels of security and management access over the network and the RF Manager Controller management interface
- **Location-based policy management:** simplifies the security and administration of a distributed WLAN deployment through granular, customizable policies localized on a site by site, region by region or even floor by floor basis. This support is included in RF Manager v6.0 (a separate license - J9393A - is required for RF Manager versions prior to v6.0).
- **Offline sensor operation:**
 - The sensor provides full security coverage even when there is no connectivity between a Sensor and RF Manager, provides detection, classification, and prevention capabilities even if disconnected from RF Manager.
 - The sensor also raises alerts/events, stores them, and synchronizes them back to RF Manager on reconnection.
- **Integration with RF Planner:** allows importing of planning and device placement information from RF Planner

Warranty and support

- **Warranty:** one-year hardware limited warranty with next-business-day advance replacement (available in most countries); warranty extensions are available
- **Electronic and telephone support:** limited electronic and telephone support is available from HP; refer to the HP website at: www.hp.com/networking/support for details on the support provided and the period during which support is available
- **Software releases:** refer to the HP website at: www.hp.com/networking/support for details on the software releases provided and the period during which software releases are available



Technical Specifications

HP RF Manager Controller with 50-sensor License (J9521A)	Ports	2 RJ-45 autosensing 10/100/1000 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T); Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only 1 RJ-45 serial console port
	Physical characteristics	Dimensions 15.38(d) x 17.32(w) x 1.75(h) in. (39.07 x 43.99 x 4.45 cm) Weight 13.45 lb. (6.1 kg)
	Mounting	Mounts in an EIA-standard 19 in. telco rack or equipment cabinet (hardware included); horizontal surface mounting only.
	Environment	Operating temperature 41°F to 104°F (5°C to 40°C) Operating relative humidity 15% to 80%, noncondensing Non-operating/Storage temperature -40°F to 149°F (-40°C to 65°C)
	Electrical characteristics	Maximum heat dissipation 434 BTU/hr (457.87 kJ/hr) Voltage 100-127/200-240 VAC Current 2/1 A Frequency 50/60 Hz
	Safety	CAN/CSA 22.2 No. 60950-1; IEC 60950-1; EN 60950-1
	Emissions	FCC part 15 Class A; EN 55022 Class A; CISPR 22 Class A; ICES-003
	Immunity	Generic EN 55024 Harmonics EN 61000-3-2, IEC 61000-3-2 Flicker EN 61000-3-3, IEC 61000-3-3
	Features	RF Sensor Characteristics:- Radio; Single (IEEE 802.11n/a/b/g), Radio Operation Modes; RF security, Operation Modes; Controlled, Wi-Fi Alliance Certified; IEEE 802.11a/b/g/n Wi-Fi Certified
	Notes	The HP RF Manager Controller with 50-sensor license supports 50 sensors and the J9521A platform can be expanded to 250 sensors with four HP RF Manager 50-sensor upgrades (J9399A). HP RF Manager requires the HP MSM415 RF Security Sensor, MSM325 or MSM335 APs, with integrated sensor, or the MSM320 access point, with MSM320 sensor license. RF Manager v6.0 supports the HP AirProtect sensors 5750 and SS-300.
	Services	3-year, parts only, global next-day advance exchange (UH199E) 3-year, 4-hour onsite, 13x5 coverage for hardware (UH196E) 3-year, 4-hour onsite, 24x7 coverage for hardware (UH197E) 3-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone support (UH198E) 3-Year, 9x5 SW phone support, software updates (UU104E) 3-year, 24x7 SW phone support, software updates (UU105E) 1-year, post-warranty, parts only, global next-day advance exchange (UH200PE) 1-year, post-warranty, 4-hour onsite, 13x5 coverage for hardware (HR999E) 1-year, post-warranty, 4-hour onsite, 13x5 coverage for hardware (UH201PE) 1-year, post-warranty, 4-hour onsite, 24x7 coverage for hardware



Technical Specifications

(UH202PE)

1-year, post-warranty, 4-hour onsite, 24x7 coverage for hardware (HS001E)

1-year, post-warranty, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone support (HS002E)

1-year, post-warranty, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone support (UH203PE)

Installation with minimum configuration, system-based pricing (U4826E)

Installation with HP-provided configuration, system-based pricing (U4830E)

3 Yr 6 hr Call-to-Repair Onsite (UW320E)

1-year, 6 hour Call-To-Repair Onsite for hardware (HS004E)

1-year, 24x7 software phone support, software updates (HS003E)

Refer to the HP website at: www.hp.com/networking/services for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local HP sales office.

<p>HP MSM415 RF Security Sensor (J9522A)</p>	<p>Ports</p>	<p>1 RJ-45 autosensing 10/100/1000 port (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T); Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only</p> <p>1 RJ-45 serial console port</p>
	<p>Physical characteristics</p>	<p>Dimensions 6.16(d) x 5.19(w) x 1.94(h) in. (15.65 x 13.18 x 4.93 cm)</p> <p>Weight 0.72 lb. (0.33 kg) mounting bracket</p> <p>Enclosure Indoor, plenum rated</p>
	<p>Mounting</p>	<p>Includes two Mounting Clips</p>
	<p>Environment</p>	<p>Operating temperature 32°F to 122°F (0°C to 50°C)</p> <p>Operating relative humidity 5% to 95%, noncondensing</p> <p>Non-operating/Storage temperature -40°F to 158°F (-40°C to 70°C)</p> <p>Nonoperating/Storage relative humidity 5% to 95%, noncondensing</p>
	<p>Electrical characteristics</p>	<p>Description IEEE 802.3af PoE compliant for Gigabit Ethernet</p> <p>Maximum power rating 8 W</p> <p>Antenna Dual-band 2.4/5 GHz omnidirectional antennas</p> <p>Number of internal antennas 3</p>
	<p>Safety</p>	<p>UL 2043; UL 60950-1; IEC 60950-1; EN 60950-1; CAN/CSA-C22.2 No. 60950-1</p>
	<p>Emissions</p>	<p>FCC part 15 Class A; EN 55022 Class A; CISPR 22 Class A; ICES-003</p>
	<p>Immunity</p>	<p>Generic EN 55024</p> <p>Harmonics EN 61000-3-2, IEC 61000-3-2</p> <p>Flicker EN 61000-3-3, IEC 61000-3-3</p>
	<p>RF Exposure</p>	<p>FCC Bulletin OET-65C; RSS-102</p>



Technical Specifications

Features	RF Sensor Characteristics:- Radio; Single (IEEE 802.11n/a/b/g), Radio Operation Modes; RF security, Operation Modes; Controlled, Wi-Fi Alliance Certified; IEEE 802.11a/b/g/n Wi-Fi Certified
Notes	<p>The HP RF Manager Controller with 50-sensor license supports 50 sensors and the J9521A platform can be expanded to 250 sensors with four HP RF Manager 50-sensor upgrades (J9399A).</p> <p>HP RF Manager requires the HP MSM415 RF Security Sensor, MSM325 or MSM335 APs, with integrated sensor, or the MSM320 access point, with MSM320 sensor license. RF Manager v6.0 supports the HP AirProtect sensors 5750 and SS-300.</p> <p>The HP RF Manager IDS/IPS Controller (J9521A) is required to manage the HP MSM415 RF Security Sensor.</p> <p>Maximum transmit power varies by country</p>
Services	<p>3-year, 4-hour onsite, 13x5 coverage for hardware (UN683E)</p> <p>3-year, 4-hour onsite, 24x7 coverage for hardware (UN684E)</p> <p>3-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 SW phone support and SW updates (UN686E)</p> <p>3-year, 24x7 SW phone support, software updates (UN685E)</p> <p>1-year, post-warranty, 4-hour onsite, 13x5 coverage for hardware (HR939E)</p> <p>1-year, post-warranty, 4-hour onsite, 24x7 coverage for hardware (HR940E)</p> <p>1-year, post-warranty, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone support (HR941E)</p> <p>4-year, 4-hour onsite, 13x5 coverage for hardware (US013E)</p> <p>4-year, 4-hour onsite, 24x7 coverage for hardware (US014E)</p> <p>4-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone (US015E)</p> <p>4-year, 24x7 SW phone support, software updates (US016E)</p> <p>5-year, 4-hour onsite, 13x5 coverage for hardware (US017E)</p> <p>5-year, 4-hour onsite, 24x7 coverage for hardware (US018E)</p> <p>5-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone (US019E)</p> <p>5-year, 24x7 SW phone support, software updates (US020E)</p> <p>3 Yr 6 hr Call-to-Repair Onsite (UW416E)</p> <p>4 Yr 6 hr Call-to-Repair Onsite (UW417E)</p> <p>5 Yr 6 hr Call-to-Repair Onsite (UW418E)</p> <p>1-year, 6 hour Call-To-Repair Onsite for hardware (HR943E)</p> <p>1-year, 24x7 software phone support, software updates (HR942E)</p> <p>1-year, 24x7 software phone support, software updates + Next Business Day Hardware Exchange (HS830E)</p> <p>1-year, 24x7 software phone support, software updates + 4 hour hardware exchange (HS831E)</p> <p>3-year, 24x7 software phone support, software updates + Next Business Day Hardware Exchange (HS832E)</p> <p>3-year, 24x7 software phone support, software updates + Next Business Day Hardware Exchange (HS832E)</p> <p>3-year, 24x7 software phone support, software updates + 4 hour Hardware Exchange (HS833E)</p> <p>4-year, 24x7 software phone support, software updates + Next Business Day Hardware Exchange (HS834E)</p> <p>4-year, 24x7 software phone support, software updates + 4 hour Hardware Exchange (HS835E)</p>



Technical Specifications

5-year, 24x7 software phone support, software updates + Next Business Day Hardware Exchange (HS836E)

5-year, 24x7 software phone support, software updates + 4 hour Hardware Exchange (HS837E)

Refer to the HP website at: www.hp.com/networking/services for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local HP sales office.



Accessories

HP Mobility Security IDS/IPS System Series accessories	License	
	HP RF Manager additional 50-sensor Upgrade License	J9399A
	HP RF Manager Adv Wireless IPS License	J9644A
	HP RF Manager Location Based Policy License	J9393A



Accessory Product Details

NOTE: Details are not available for all accessories. The following specifications were available at the time of publication.

HP RF Manager Adv Wireless IPS License (J9644A)	Notes	The HP RF Manager Advanced Wireless IPS License requires HP RF Manager software release v6.0.
	Services	Refer to the HP website at: www.hp.com/networking/services for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local HP sales office.

HP RF Manager Location Based Policy License (J9393A)	Notes	The HP RF Manager Location Based Policy License is applicable only to versions of HP RF Manager prior to v6.0. This support is included in HP RF Manager v6.0.
	Services	Refer to the HP website at: www.hp.com/networking/services for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local HP sales office.

To learn more, visit: www.hp.com/networking

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