



HP Networking Mobility Security IDS/IPS Series

Data sheet

Product overview

HP RF Manager provides detection and prevention of wireless threats with automated policy-based security and location-tracking capabilities with full support for A- and E-series. 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 E-MSM and HP AirProtect RF Security sensors in the network to continuously scan 802.11a/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 and provides a secure, at-a-glance dashboard for quick security status.

Key features

- Full support for A- and E-series
- Automatic intrusion threat prevention
- Central management of security policies
- Complete reporting & predefined compliance reports
- Roles-based administrative rights



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 A- and E-series 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

Technical features

• **Wireless IDS/IPS features:**

- Accurately autocalclassifies APs and client devices using patented autocalclassification 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 clients for A- and E-series wireless networks: leverages deployed HP RF sensor devices in the network such as the E-MSM415, E-MSM325, E-MSM335, and E-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 E-series MSM**

Controller: reduces administration time and effort through automatic synchronizing of authorized APs and clients with E-series 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

Specifications



HP RF Manager Controller with 50-sensor license (J9521A)

Ports	2 RJ-45 auto-sensing 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%, non-condensing
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
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 E-MSM415 RF Security Sensor, E-MSM325 or E-MSM335 APs, with integrated sensor, or the E-MSM320 access point, with E-MSM320 sensor license. RF Manager v6.0 supports the HP AirProtect sensors: 5750 and SS-300. HP RF Manager requires the HP E-MSM415 RF Security Sensor, E-MSM325 or E-MSM335 APs, with integrated sensor, or the E-MSM320 access point, with E-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 (UH201PE) 1-year, post-warranty, 4-hour onsite, 24x7 coverage for hardware (UH202PE) 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) 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.

License

HP RF Manager Sensor License-50-sensor upgrade (J9399A)

NEW HP RF Manager Advanced Wireless IPS License
(J9644A)

HP RF Manager Location-Based Policy License (J9393A)

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

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4AA2-9840ENW, Created October 2009; Updated August 2010, Rev. 1

