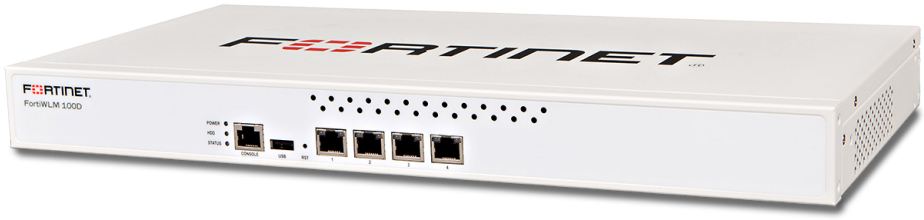
DATA SHEET

FortiWLM™ Wireless Manager

Available in:

Appliance Virtual Machine

Manage Large Wireless Deployments



Fortinet's Wireless Manager series offers full management of controllers and access points along with an extensive set of troubleshooting and reporting tools, all in a single pane of glass. The Wireless Manager offers the ability to see the status of your entire wireless network in one place, while also getting visibility into Spectrum, Wireless Intrusion, and other key wireless health statistics.

The FortiWLM Wireless Manager can form the heart of any Fortinet wireless system. It offers the following features with licenses to enable as many APs as required:

- **Network Manager** — Provides wireless performance dashboards, RF visualization, centralized monitoring, configuration, fault management, visibility over long-term trends, and centralized reporting.
- **Spectrum Manager** — Detects and identifies both Wi-Fi and non-Wi-Fi interference on all channels all the time.

Multiple platforms are available based upon the size and need of your deployment. The FortiWLM 100D is designed for small enterprises, and the FortiWLM 1000D is designed for medium to large enterprises. There is also a virtual offering, FortiWLM-VM, which provides a virtual management platform that can scale up to 20 000 APs and can be installed as a management extension application (MEA) in FortiManager.

Key Features

- Platform to support Fortinet wireless network applications
- Network management that supports monitoring, troubleshooting, configuring, and reporting of wireless network health
- RF interference detection and mitigation
- Choice of appliances, virtual machine option, or MEA in FortiManager to fit your business scale

Benefits

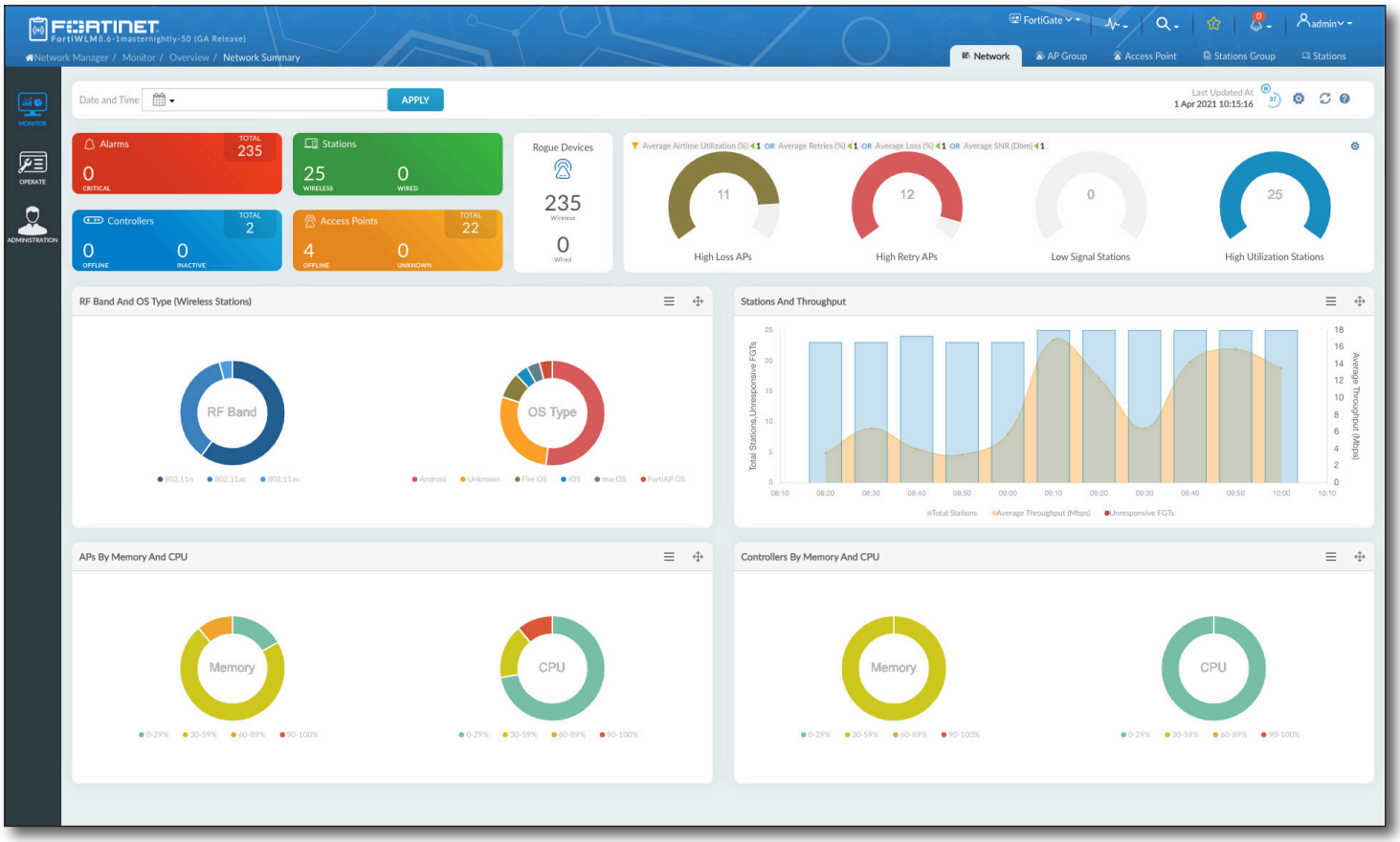
- Delivers comprehensive WLAN management
- Detects network congestion and poor wireless environments to improve user experience
- Delivers reporting and historical visibility

FEATURE HIGHLIGHTS

Network Manager

Key Functions

- Comprehensive real-time and historical WLAN performance trends dashboards including RF metrics for a centralized view
- Quick and easy navigation with information no more than two clicks away
- Real-time RF visualization enables remote management and saves on-site truck-roll expenses
- Current and historical wireless station metrics enable rapid resolution of issues by rewinding and recreating past state
- Customized dashboards for mobile devices allow any time, anywhere management of the WLAN network
- Integrated Rogue AP detection enhances enterprise security
- Alarms and events with customizable notifications facilitate proactive wireless network monitoring and troubleshooting
- Enterprise scalability allows management of up to 20 000 APs



FEATURE HIGHLIGHTS

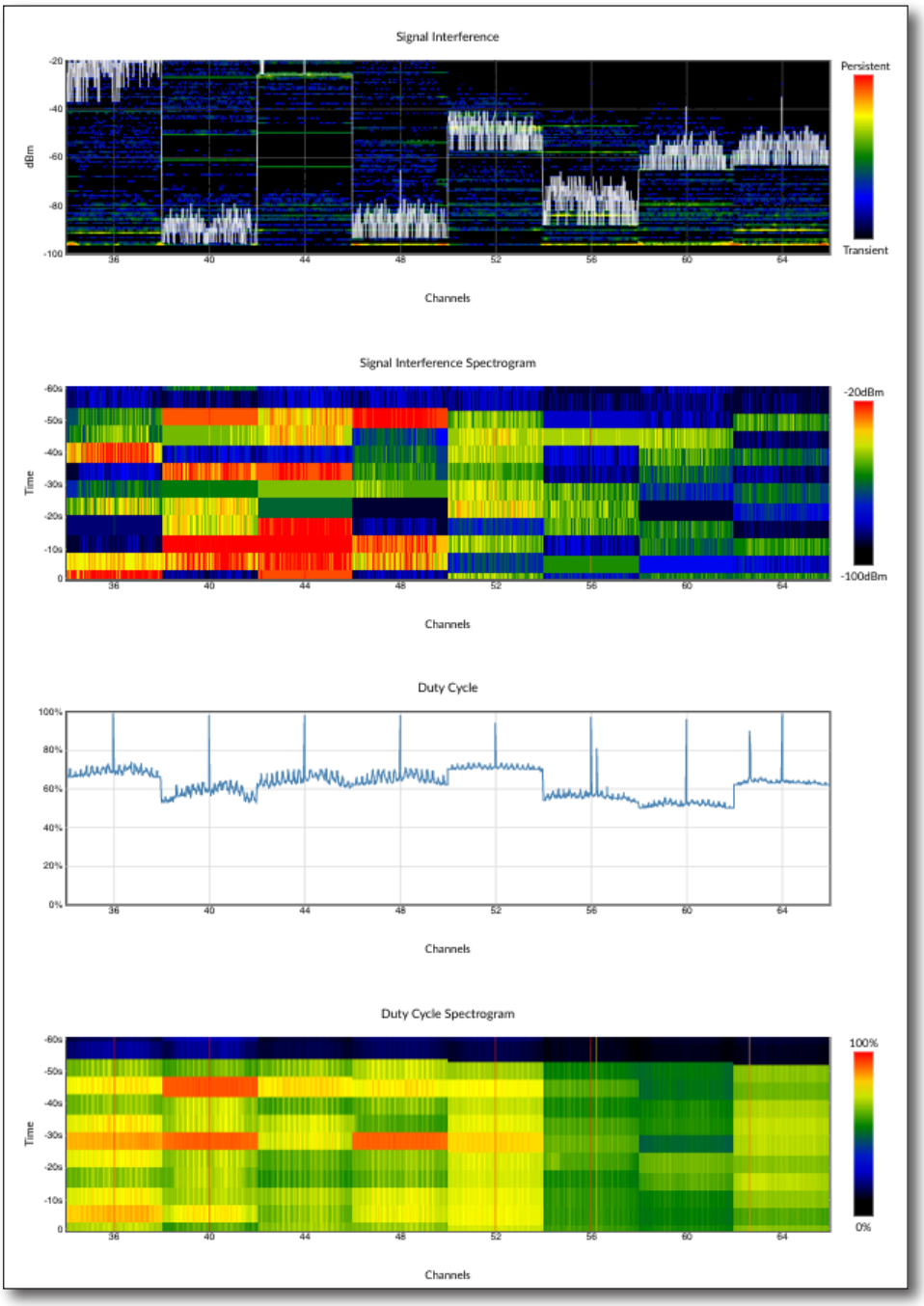
Spectrum Manager

Detect, Classify, and Manage Wireless Interference

Spectrum Manager is a software application that detects and classifies sources of wireless interference to ensure optimal spectrum usage and high service levels. By keeping you informed about Wi-Fi interference, Spectrum Manager lets you take action to alleviate problems by removing, adjusting for, or working around the sources of interference.

You can proactively manage channel interference issues, avoiding problems before they occur. Graphical dashboard displays and reports provide actionable intelligence on the health of your wireless spectrum, giving you deep insight into the RF spectrum in your environment.

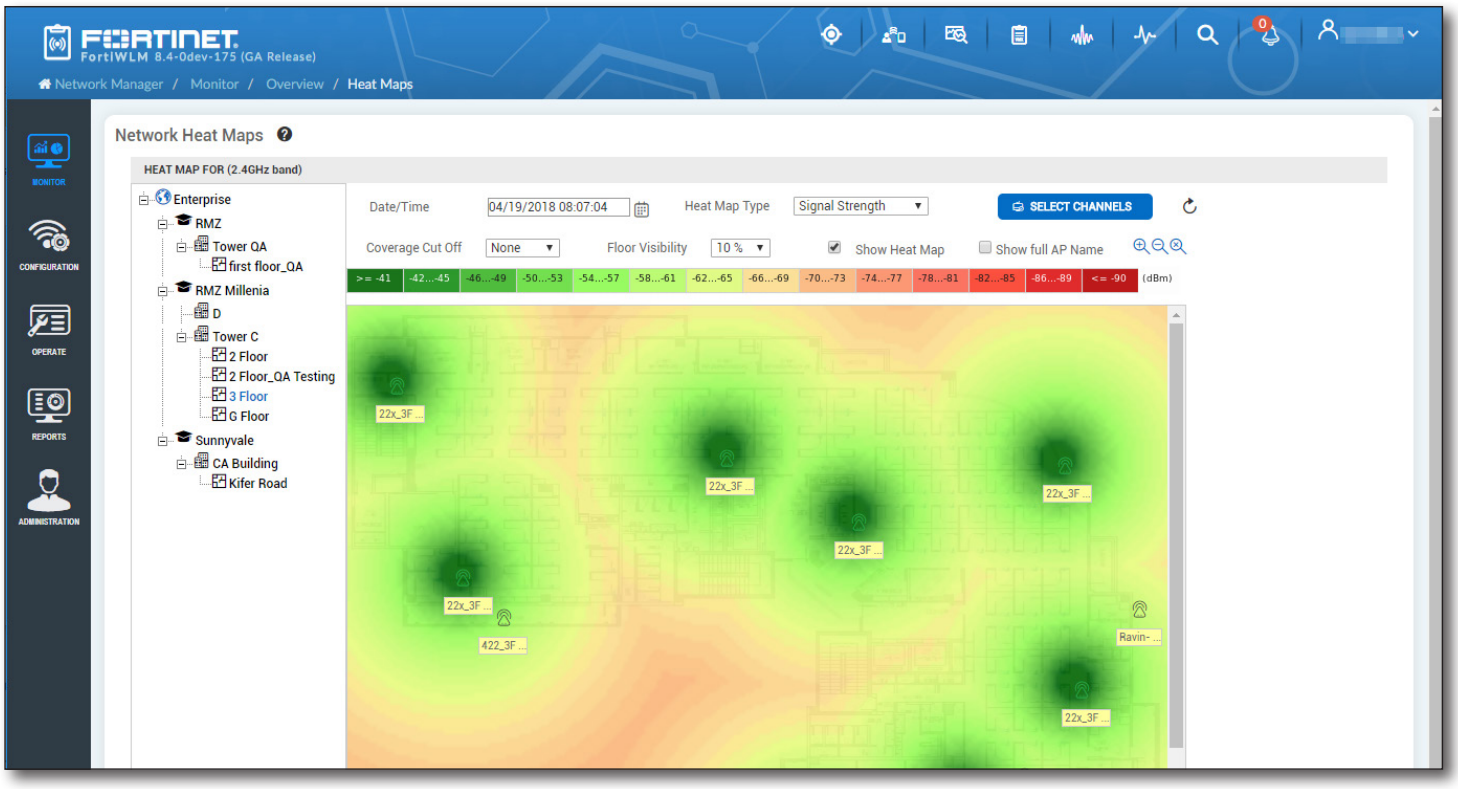
Spectrum Manager gathers interference data from a network of dedicated sensors. It can also gather data from the APs which can dedicate one of its radios to act as a sensor. The software creates detailed logs on a broad range of wireless interference sources. The information captured includes the type of interferance, signal strength, impacted channels, start/end time, and duration.



FEATURE HIGHLIGHTS

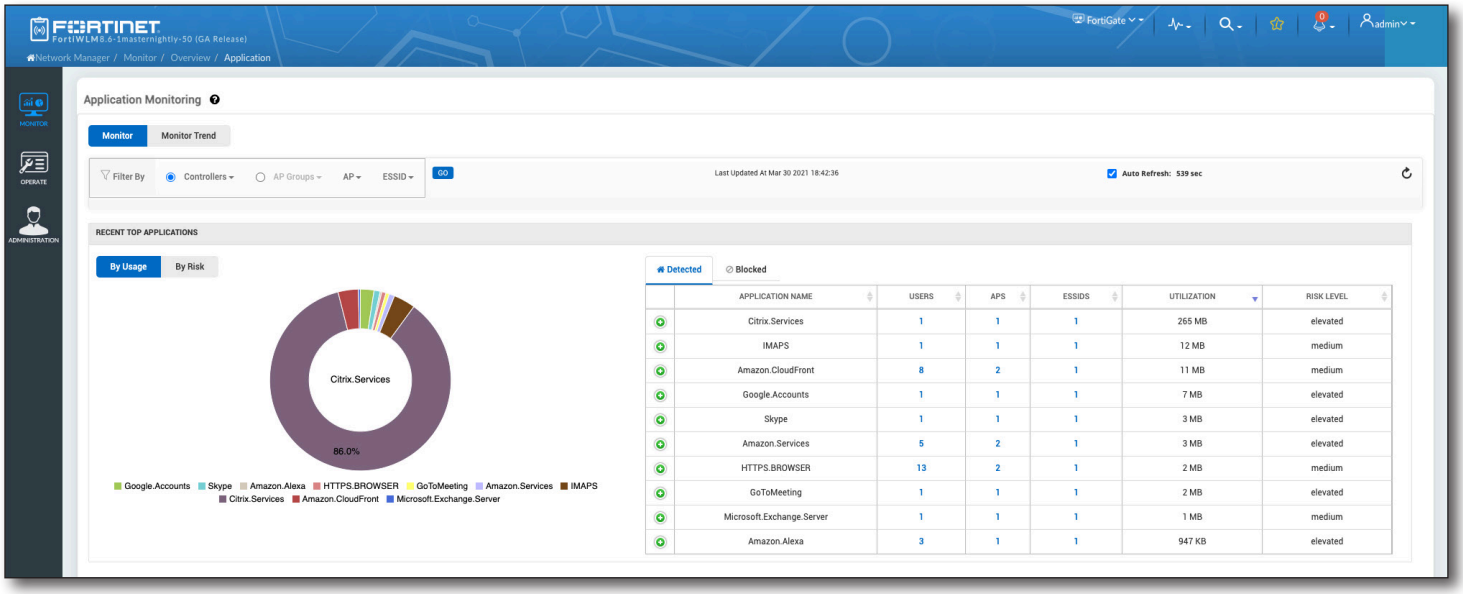
Network Heatmaps

Get visibility into the current state of your deployment with live heatmaps. Various network metrics can be visualized including signal strength, Throughput, Loss, Channel Utilization, or Number of Stations. Set thresholds to view only those areas passing important criteria or roll back the clock to see how things looked in the past.



Application Monitoring

Get insights into what people are doing on your network with FortiWLM's DPI Application Monitoring feature. All detected or blocked applications will be listed, with trend views available.



SPECIFICATIONS

	FWM-100D	FWM-1000D	FWM-VM	FWM MEA
Target Deployment	Small enterprises	Medium to large enterprises	Small to large	Medium
Interfaces				
GE RJ45 Port	4	4		
SFP Port	—	4		
USB (Type-A)	1	2		
Serial Console (RJ45)	1	1		
Hard Disk	1× 1 TB	2× 2 TB		
Capacity				
Maximum Number of Access Points Supported	2000	15 000	20 000	3200
Maximum Number of Stations Supported	20 000	100 000	150 000	64 000
Maximum Number of FortiGates Supported	500	5000	10 000	1600
License				
Licenses Included (Number of APs)	50	50	50*	3
Physical				
Mounting	1U rack mount	1U rack mount		
Height x Width x Length (inches)	1.73 × 17.32 × 8.62	1.73 × 17.24 × 16.18		
Height x Width x Length (mm)	44 × 440 × 219	44 × 438 × 411		
Weight	7.72 lbs (3.5 kg)	19.62 lbs (8.9 kg)		
Form Factor / Platform	1 RU	1 RU	Supports VMware, Hyper-V and KVM hypervisors.	MEA within FortiManager
Environment & Power				
Power Source	100–240V AC, 50/60 Hz, 65 W openframe single PSU	100–240V AC, 50/60 Hz, 300 W Redundant PSU		
Power Consumption (Average / Maximum)	28 W / 36 W	137 W / 192 W		
Current (Maximum)	100V/1.5A, 240V/1.5A	100V/5A, 240V/3A		
Heat Dissipation	123 BTU/h	655 BTU/h		
Operating Temperature	32°–104°F (0°–40°C)	32°–104°F (0°–40°C)		
Storage Temperature	-13°–158°F (-25°–70°C)	-13°–158°F (-25°–70°C)		
Humidity	5%–95% non-condensing	5%–95% non-condensing		
Compliance				
Regulatory Approval	FCC part 15B Class B — USA UL 60950-1 — USA CSA C22.2 No. 60950-1-07 — Canada EN 60950-1 — EU IEC 60950-1 — International ICES-003 Class B — Canada EN55022 Class B — EU EN55024 — EU VCCI Class A — Japan	FCC part 15B Class A — USA UL 60950-1 — USA CSA C22.2 No. 60950-1-07 — Canada EN 60950-1 — EU IEC 60950-1 — International ICES-003 Class A — Canada EN55022 Class A — EU EN55024 — EU VCCI Class A — Japan		
Certification	RoHS, REACH, WEEE	RoHS, REACH, WEEE		
Warranty				
Standard Warranty	1 year	1 year	1 year	1 year

FortiWLM 100D

FortiWLM 1000D

*30-day trial for Demo

ORDER INFORMATION

PRODUCT	SKU	DESCRIPTION
FortiWLM 100D Wireless Manager	FWM-100D	FortiWLM 100D Wireless Network Manager, Maximum 2,000 APs, 20,000 Stations and 100 Spectrum Sensors. Includes 50 AP licenses. 4x GE RJ45 ports, 1x RJ45 Serial Console port, 1× 1TB HDD Storage, Single PSU.
	FC-10-WM100-247-02-DD	24×7 FortiCare Contract.
FortiWLM 1000D Wireless Manager	FWM-1000D	FortiWLM 1000D Wireless Network Manager, Maximum 15,000 APs, 100,000 Stations and 750 Spectrum Sensors. Includes 50 AP licenses. 4x GE RJ45 ports, 4x GE SFP ports, 1x RJ45 Serial Console port, 2× 2TB HDD Storage, Redundant PSU.
	FC-10-WM01K-247-02-DD	24×7 FortiCare Contract.
FortiWLM-VM Wireless Manager	FWM-VM	FortiWLM Wireless LAN Management Virtual Appliance. Utilizes FWM licenses and can support up to 20,000 APs. Comes with 50 AP license included when purchased (30-day trial for demo). Supports Docker in FortiManager, VMware, Hyper-V, and KVM hypervisors.
	FC-10-WLMVM-248-02-DD	24×7 FortiCare Contact.
FortiWLM 50 AP Software License	FWM-NM-50-A	FortiWLM VM, FortiWLM 100D and FortiWLM 1000D 50 AP Software License. Enables all features and functionality.
FortiWLM 250 AP Software License	FWM-NM-250-A	FortiWLM VM, FortiWLM 100D and FortiWLM 1000D 250 AP Software License. Enables all features and functionality.
FortiWLM 2500 AP Software License	FWM-NM-2500-A	FortiWLM VM, FortiWLM 100D and FortiWLM 1000D 2500 AP Software License. Enables all features and functionality.