

On-Ramp Wireless Appliance Data Sheet

Introduction

This data sheet provides an overview, product specifications, and requirements for the On-Ramp Wireless OEM Appliance. The Appliance is designed to be racked in a server room or data center as shown in the following figure.



Figure 1. Racked On-Ramp Wireless Appliance

A single appliance package contains:

- Two U Servers
- Branded bezel
- Two power cords
- Rail kit
- Server straps

Features

- All On-Ramp Wireless back office software on a single server
- Local data redundancy via RAID 10
- Redundant power supplies
- Redundant SSD drives
- Redundant Hypervisor SD cards
- Real-Time hardware, network, and software monitoring
- Dual server option for High Availability (HA)

Pre-installed Applications

- HA Proxy load balancer
- VMware ESXi
- On-Ramp Wireless Gateway
- On-Ramp Wireless Key Management System
- On-Ramp Wireless Total View (OTV)
- On-Ramp Wireless Element Management System (EMS)
- MySQL database
- OpsView infrastructure monitoring tool
- Cacti network monitoring and graphing tool

Installation Requirements for Single Appliance

- Two rack unit (2RU)
- Two 120VAC outlets to handle dual 750W power supplies
- CAT5e Ethernet cable
- Refer to the *On-Ramp Wireless Appliance Deployment Guide* for network configurations

Installation Requirements for Dual Appliances (HA)

- Four rack unit (4RU)
- Four 120 VAC outlets to handle quad 750W power supplies
- Two CAT5e Ethernet cables
- One CAT5e Ethernet crossover cable
- Refer to the *On-Ramp Wireless Appliance Deployment Guide* for network configurations

System Components

The following table summarizes the major components that make up the On-Ramp Wireless single appliance.

Table 1. System Components for On-Ramp Wireless Single Appliance

Component	Quantity
Intel Xeon 2.60 GHz 8-Core Processors	2
4 GB DDR3 RAM RDIMM 1600 MHz	8
PERC H710 RAID Controller, 512 MB Cache	1
1.2 TB 10 K RPM SAS 6 Gbps Drives	10
SAS 6 Gbps HBA External Controller	2
200 GB SAS SSDs	2
DVD ROM	1
Mirrored 1 GB SD Cards	2
Quad-Port 1 Gbps Networking	1
Hot-Plug 750W Power Supplies	2
1 GB SD Card for RIPS	2