



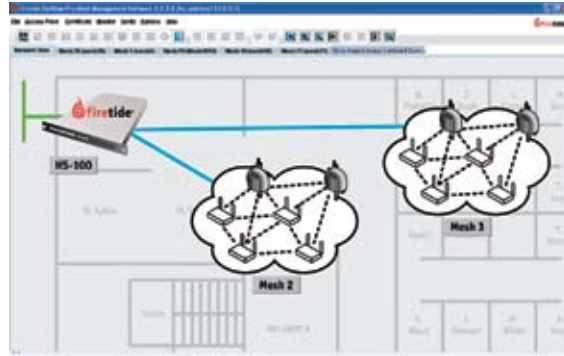
Firetide Mobility Controller

Multi-Service Mobility

The Firetide Mobility Controller is a software platform enabling advanced wireless mesh backbone and Wi-Fi® access services. Working in concert with HotPort® mesh nodes and HotPoint® access points and HotClient™ customer premises equipment (CPE), Firetide Mobility Controller delivers high speed infrastructure mobility, seamless client roaming, and a platform for future functionality. The controller software is hardware independent and runs on standard servers from leading suppliers such as Dell® and HP®.

Dynamic Mesh Networking

Unlike other wireless infrastructures, HotPort mesh networks are dynamic by design, allowing for automatic and instantaneous connection and reconnection of mesh nodes to the network. Firetide's patented AutoMesh™ routing protocol makes the mesh fully self-forming and self-healing, to afford rapid deployment and dependable operation for both static and mobile mesh infrastructures. In addition to ensuring a reliable, self-configuring and self-healing wireless network, it also provides the added benefit of mobility. A HotPort mesh node instantly associates and re-associates with the mesh network as it travels within range of other static and dynamic mesh nodes.



Firetide Mobility Controller Network View

Mobile Network Infrastructure

With the Firetide Mobility Controller, Ethernet enabled devices such as network video cameras, Wi-Fi access points, RFID readers, and laptop computers maintain network connectivity while traveling at high speeds across multiple HotPort mesh networks and IP domains. This enables a variety of exciting new applications not possible with static Ethernet networks.

- Continuous video security surveillance for any moving vehicle such as police cruisers, fire trucks, buses, and trains
- Uninterrupted Wi-Fi access on public transportation vehicles for traveling hotspots

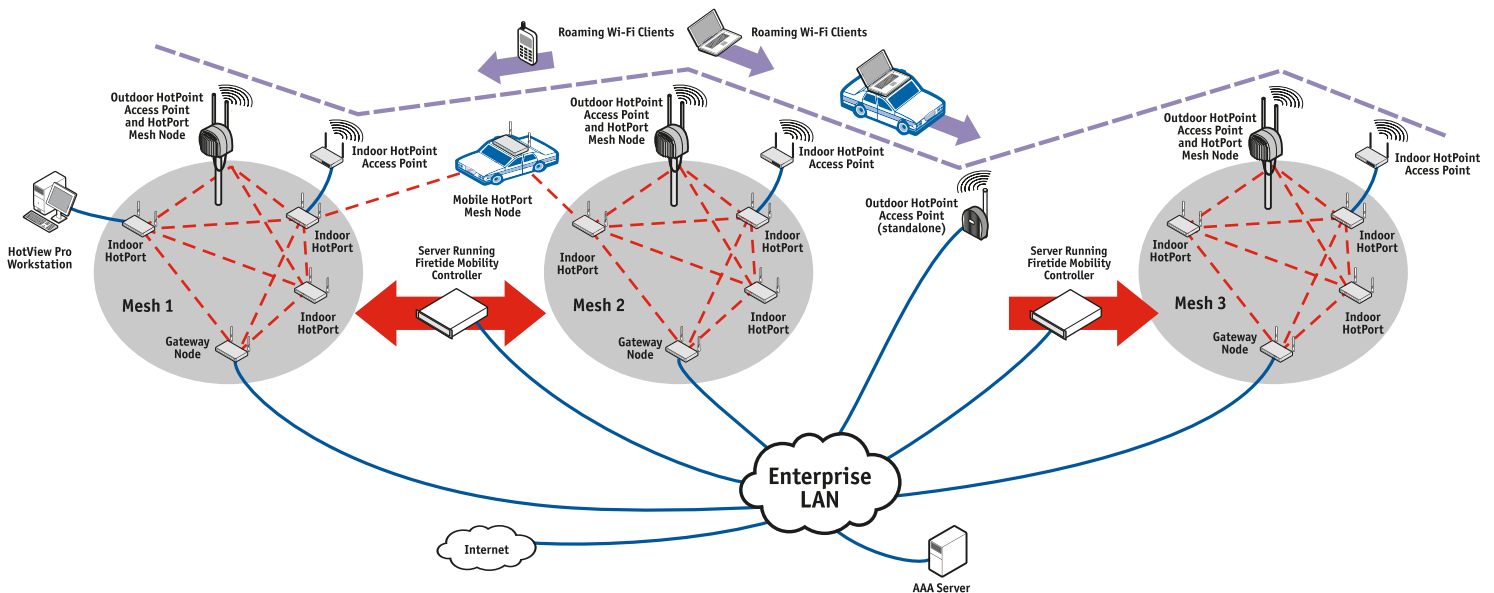
- Portable and mobile network services on public transportation, first responder vehicles, fork lifts, and cranes
- Mobile command centers for public safety first responders including police, fire and other emergency personnel

Seamless Wi-Fi Client Roaming

HotPoint access points ensure secure, fast roaming for any Wi-Fi enabled client device. With the Firetide

Mobility Controller, HotPoint APs also provide seamless roaming across multiple subnets and IP domains. This means that you can move around a building, across a campus, or even drive along city streets while maintaining a network connection. You can roam virtually anywhere in range of HotPoint APs while talking on a Wi-Fi phone, without losing your connection — or your conversation.

The Firetide Mobility Controller manages the association of Wi-Fi clients to the HotPoint AP network, providing fast roaming from one AP to another, while maintaining application persistence. Seamless roaming across IP domains is key for applications that require wireless persistence — voice, barcode scanning, PDAs, and notebook computers.



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Enhanced Service Provider Functionality

Firetide Mobility Controller provides services for network deployment and control. It extends both mesh and AP functionality to deliver enhanced wireless broadband connectivity.

Automated Deployments — Network deployment is simplified with Auto Provisioning, which pushes virtual AP and VLAN configurations to HotPoint APs. The Firetide Mobility Controller automatically discovers and configures HotPort and HotPoint devices that have been added to the network, eliminating complex pre-configuration by a network administrator — saving time and money.

CPE and Client Control — The Firetide Mobility Controller further strengthens the service provider functions already available with the HotPoint access point. It extends rate limiting from Wi-Fi clients to any HotClient Wi-Fi CPE device. It provides manual HotPoint AP power control to ensure optimal signal strength and coverage for client and CPE connectivity. Connection Admission Control provides per session/per client access control.

Centralized Policy Management — Firetide Mobility Controller pushes user policies to HotPoint APs and enforces these policies as the clients roam across multiple IP domains.

Hardware Independent Architecture

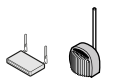
Firetide Mobility Controller is a software module from Firetide that runs on a standard server. This hardware independence provides a scalable, multi-service platform for network growth and investment protection.

The Firetide Mobility Controller software module is provided via CD or downloadable from the Firetide support web site, along with installation instructions. The table at right lists the hardware requirements for running Firetide Mobility Controller.

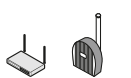
Features	HotView	HotView Pro
Multiple Administrators	—	Yes
Multiple Mesh Management	—	Yes
Mesh/Node Configuration/Settings	Yes	Yes
SNMP	—	Yes
Bridging & Gateways	—	Yes
QoS 802.1p	Yes	Yes
Load Balancing	—	Yes
Broadcast Containment	—	Yes
Infrastructure Mobility	Yes	Yes
Rate Limiting	Yes	Yes
Client Roaming	Yes	Yes
Client Roaming Across Subnets	—	Yes
Infrastructure Mobility Across Multiple Meshes	—	Yes
Auto Provisioning	—	Yes
Centralized Policy Management	—	Yes
AP & Client Power Control	—	Yes

Hardware Requirements	
Processor	Intel® Xeon™ Processor at 2.8GHz/2MB Cache, 800MHz FSB
Operating System	Red Hat Enterprise Linux Operating System (Customer Installed)
Additional Processor	Single Processor only
Memory	1GB, DDR2, 400MHz, 2X512, Single Ranked DIMMs
Primary Hard Drive	80GB 7200 RPM SATA Hard Drive
Network Adapters	Intel Pro 1000MT Copper Gigabit Network Adapter
CD/DVD Drive	CD, 24X, INT, SMSNG
Bezel Option	Active ID Bezel Option
2nd Hard Drive	Additional 80GB 7200 RPM SATA Hard Drive
Hard Drive Configuration	2 Drives Attached to Onboard SATA Controller, Software assisted RAID
Chassis Configuration	Rack Chassis w/Rapid Rails for Dell, HPQ or other Square Hole Racks

Other Firetide Products



Mesh Nodes
HotPort Indoor & Outdoor Mesh Nodes



Access Points
HotPoint Indoor & Outdoor Access Points



CPE
HotClient Indoor & Outdoor Customer Premises Equipment



Software
HotView & HotView Pro Network Management Software



Accessories
Antennas, Mounting Kits, Cables, etc.



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