



# FMC 2000 Firetide Mobility Controller

## Multi-Service Mobility

Firetide Mobility Controller (FMC) delivers high-speed infrastructure mobility, and seamless client roaming. The controller software is a rack-mountable hardware appliance that integrates into an existing IT infrastructure.

## Reliable connectivity at 90 mph

With the Firetide Mobility Controller, Ethernet enabled devices such as network video cameras, Wi-Fi access points and laptop computers maintain network connectivity while traveling at speeds up to 90 mph 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.
- Digital signage and advertisement streaming onto moving vehicles.
- Mobile command centers for public safety first responders including police, fire and other emergency personnel.
- Uninterrupted Wi-Fi access on public transportation vehicles for traveling hotspots.

## Highly scalable infrastructure

FMC 2000 is a highly scalable hardware appliance that can scale up to 64 meshes. So there is zero additional CAPEX investment when scaling the network.

## Dynamic Mesh Networking

Unlike other Wi-Fi-based wireless meshes, 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

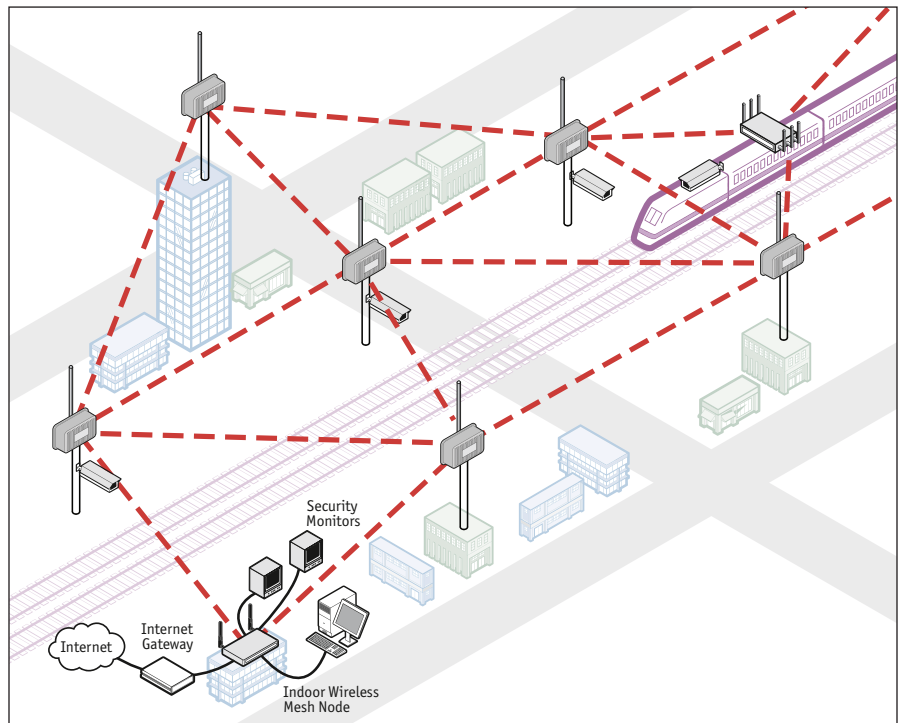


a reliable, self-configuring and self-healing wireless network, it also provides the added benefit of mobility.

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.

## Mobile Network Redundancy

Firetide mobility solution offers multiple levels of redundancy including FMC 2000 redundancy, gateway redundancy and on vehicle redundancy. This eliminates any single points of failure in the network and circumvents any temporary RF impediments.



Firetide's solution for network infrastructure mobility on public transportation vehicles

## FMC 2000 Firetide Mobility Controller



FMC 2000 Firetide Mobility Controller

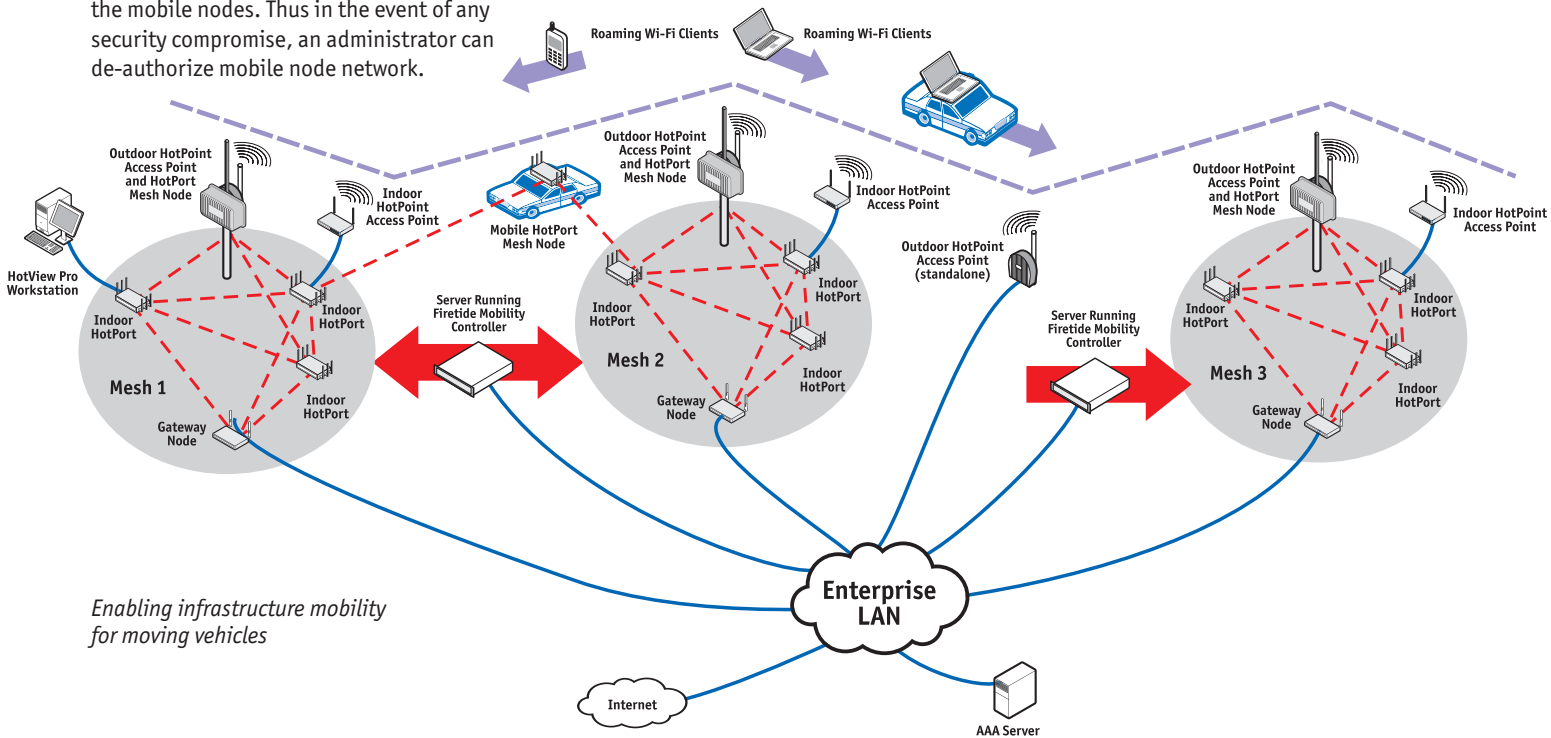
### Mobility Visual View

The management of the FMC 2000 is via Firetide's HotView Pro™ network management software. In addition to the FCAPS functionality, the HotView Pro allows an administrator to represent a graphical view of the mobility network. This is useful for transportation applications where administrators are now able to create customizable icons and views of the mobile track.

### Fast Deployment and High Security

Mobility Controller acts as a centralized configuration store, event management and security gateway for the mobile network. This drastically reduces the deployment time of the mobility network and seamless migration for a non-mobility network to enable mobility. Mobility Controller also acts as an authentication and authorization server for the mobile nodes. Thus in the event of any security compromise, an administrator can de-authorize mobile node network.

Physical Specifications	
<b>Network Ports</b>	<ul style="list-style-type: none"> <li>Four GigE 10/100/1000 Mbps Ethernet ports with LEDs</li> <li>IEEE 802.3, 802.3u compliant</li> <li>CSMA/CD 10/100 autosense</li> </ul>
<b>Enclosure</b>	<ul style="list-style-type: none"> <li>System LEDs (Power, Test)</li> <li>Ethernet port LEDs (link, status, activity)</li> <li>Reset button (recessed)</li> <li>Weight: 6.4 lbs (2.912 kg)</li> <li>Dimensions (WxHxD): 10.3 x 1.7 x 17.3 inches (1-u rack size)</li> </ul>
<b>Power</b>	<ul style="list-style-type: none"> <li>DC Input: 100–240 C, AC/50–60 Hz, Universal Input, DC 5V/8V (internal power supply)</li> <li>External power supply: 100–240 VAC, 50/60 Hz</li> </ul>
<b>Environmental Specifications</b>	<ul style="list-style-type: none"> <li>Operating temperature: 0°C to +60°C</li> <li>Storage temperature: -20°C to +70°C</li> <li>Humidity (non-condensing): 10% to 90%</li> <li>Storage humidity (non-condensing): 5% to 95%</li> <li>Maximum altitude: 15,000 feet (4600 meters)</li> </ul>
<b>Included Accessories</b>	<ul style="list-style-type: none"> <li>AC power adapter with cord (non-North America power cord is separate orderable item)</li> <li>Bracket for rack mounting</li> </ul>
<b>Warranty</b>	<ul style="list-style-type: none"> <li>1 year warranty for hardware</li> <li>Extended warranty available for purchase</li> </ul>



Enabling infrastructure mobility for moving vehicles



[www.firetide.com](http://www.firetide.com)  
 140 Knowles Drive, Los Gatos, CA 95032  
 Phone: +1 408-399-7771 | Fax: +1 408-399-7756 | Email: [info@firetide.com](mailto:info@firetide.com)