

Firetide Certified Mesh Engineer Training

The Firetide Certified Mesh Engineer Training program gives you the tools need to describe, plan, sell, install, and troubleshoot a Firetide Mesh network.

FCME-1

FCME-1 is the introductory class. It is taught over three days, and includes hands-on work with Firetide equipment as well as classroom study.

This class covers all products in the Firetide family, but focusses on planning and designing a mesh network. It also gives you experience in using HotView Pro, Firetide's Mesh Management software.

You will receive in-depth knowledge of mesh, Wi-Fi, and video surveillance networks and leave with a solid foundation from which to successfully design and deploy a stable high-speed wireless network. You will have extensive hands on opportunities with Firetide equipment, using the most current HotView Pro management software.

All labs are designed to illustrate class topics and are infused with real-world data and design parameters. Classes are limited to 10-12 students.

Graduates of this class will be able to advise customers on mesh design, and be able to recommend the right Firetide equipment for each design opportunity.



FCME-1 Class Syllabus

Intro to Firetide Architecture

What is a Mesh?

Overview of Firetide Product Family

MIMO, Mesh, Access, Mobility
Products and Service Delivery Products
(CPE)

Designing a Mesh - Examples

Intro to HotView Pro

Advantages of HVP
Lab: Installing HVP

Basic Mesh Configuration

6000 and 7000 models
Lab: Setting Channels, SSID, etc

Understanding Bandwidth

Bandwidth Damping & Hidden Node Issue
Channel Assignment Options

Checking Performance & Tuning

Lab: Running iPerf

Layer 2 vs Layer 3; IP Addressing

MAC addresses versus IP Addresses

Creating a Multicast Group

Why You Need It

Creating a Gateway Group

What It Is, Where You Use It
Lab: Creating a Gateway Group

Ethernet Direct

What It Is, Where You Use It
Lab: Setting up an Ethernet Direct

Mesh Bridge

What It Is, Where You Use It.
Lab: Setting Up a Mesh Bridge

Access Points and VAPs

VAP: What It Is; Why You'd Use it
Lab: AP/VAP Setup

RF Propagation

Gain, Path
Loss Multipath
Fresnel Zones

Antenna Fundamentals

Types of Antennas
Antenna Installation Guidelines

Site Surveys

What It Is
Why You Need One
Equipment Needed
How to Perform
Sample Site
Surveys

Student Site Q&A Period

Wrap-Up

Examination

FCME-1 Training

Who Should Attend?

Network engineers, RF installers, technically-oriented sales personnel, and anyone who will be involved in recommending, planning, or bidding wireless communication systems.

Student Prerequisites

Students should have familiarity with basic computer and networking concepts.

Each student must bring a laptop capable of running Windows XP or Vista. Mac OS X with a hosted virtual machine is also acceptable. In addition:

- Students must have admin/install privileges on the laptop.
- The machine must have the latest version of Java. See www.java.com for details.
- The machine should support the PING command from the command line.
- Students should know how to modify the IP address for the wired-Ethernet port.

Fee

The cost per student in the US is \$1350. For international trainings, please contact Firetide training (see below). The fee includes lunch and refreshments during the class, but does not include other meals, lodging, or travel costs.

Students will receive a copy of HotView

Pro which they can keep and use.

Classes have a minimum of 10 and a maximum of 12 students

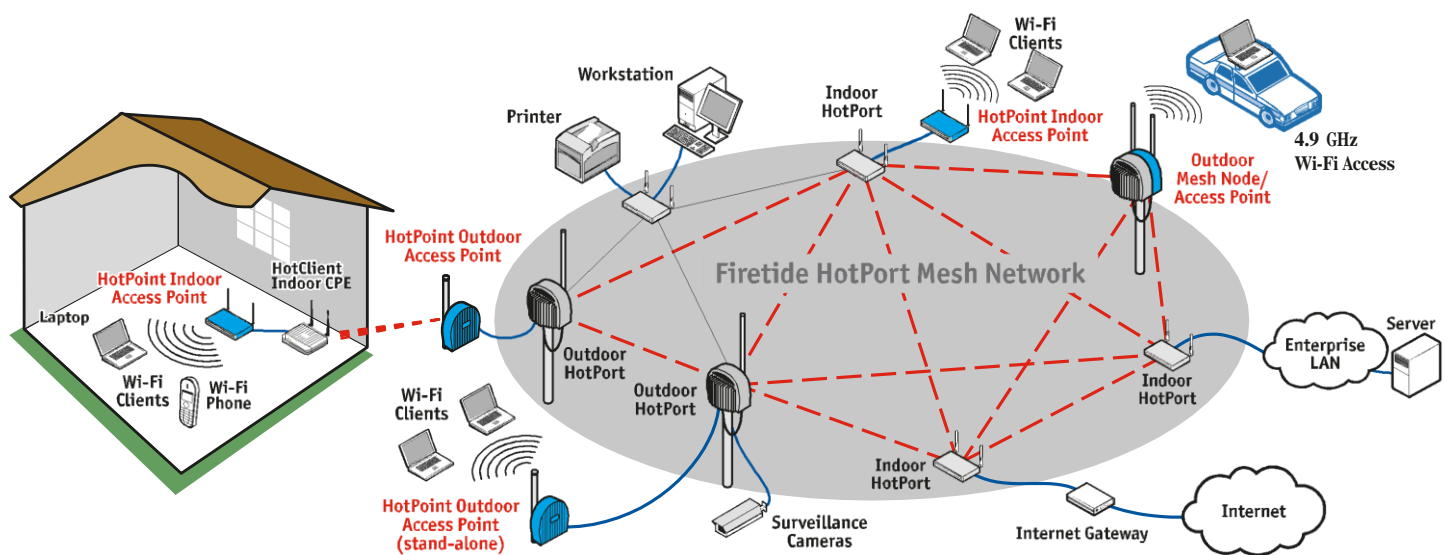
Registration & Schedules

Call Firetide at +1 408-355-7271, or visit the Firetide HotFusion partner portal at <http://partners.firetide.com> for course schedules, deadlines and registration.

Changes or Cancellations

Firetide reserves the right to cancel or reschedule a class up to 10 business days before the scheduled start. If this occurs, students will not be penalized.

Students may cancel or change enrollment if notice is given to Firetide more than 10 days before the scheduled start. Students canceling enrollment or changing class assignments after the registration deadline (10 days prior to scheduled start) will be charged a 25% fee. Only one change of class assignment is allowed before the registration deadline; penalties will be imposed for additional changes.



hot fusion For complete information on Firetide partner programs, log on to the partner program Firetide Fusion partner extranet (<http://partners.firetide.com>)

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