

Course Description

This eLearning course introduces the next generation of GigaFamily products. The course focuses on how the GigaSpire BLAST brings gigabit speeds to deliver Internet and video services, smart home automation, and seamless connectivity over the home wireless network. This course is intended for those who deploy, install, and support the GigaSpire BLAST. The course includes the GigaMesh and shows how to use the GigaMesh to extend the wireless network.

Objectives

- Describe the role of the GigaSpire in the home network.
- Describe how to deploy the GigaSpire.
- Describe how to extend the wireless network using GigaSpire and GigaMesh.
- Demonstrate the ability to support the GigaSpire and using the Calix Support Cloud.
- Locate help and find additional resources.

Prerequisite Training and Skills

- Wi-Fi Fundamentals
- Introduction to Smart Home Technologies

Who should attend?

- Customer Support
- Field Technicians
- Network Operations

Course and Exam Duration: 1 Hour

Lessons		Topics
01	The Calix Home Solution for the Home Network	<ul style="list-style-type: none">• GigaSpire and GigaMesh Introduction• GigaMesh Physical Features• The Role of the GigaSpire and GigaMesh in the Network• CAF Performance Testing with the GigaSpire BLAST Systems (u12X, u12, u6, and u4)
02	Deploying the GigaSpire	<ul style="list-style-type: none">• Supported ONTs and Modems• Supported Topologies• Deployment Examples• Home Gateway Management• The Benefits of Unified Wi-Fi and Steering Devices

		<ul style="list-style-type: none"> • How Dynamic Channel Selection (DCS) Works • Verify Services are on and Working
03	Supporting the GigaSpire	<ul style="list-style-type: none"> • Access the GigaSpire EWI with the latest Support Login • Using Calix Support Cloud to Support GigaSpires • Using Emesh Topology (21.1) • USB Toolkit (21.1) • Client Labels and Satellite Efficiency (21.1) • LED Brightness Control (21.1) • DCS Support in 5 GHz Mesh Networks (21.1) • Touchless PPPoE (21.1) • Using Smart Activate • Diagnostics Tools Enhancements (21.1) • Upgrade Screen Improvements (21.1) • Using the Calix Smart Home Dashboard • Enhanced Parental Control (ExperienceIQ) • Network Security (ProtectIQ)Swapping GigaSpireS • The GigaSpires and CommandIQ
04	Extending the Home Wireless Network	<ul style="list-style-type: none"> • Using the GigaSpires to extend the wireless network • Using the GigaMeshes to extend the wireless network
05	Get Help and Find Additional Resources	<ul style="list-style-type: none"> • Calix Documentation Library • Release Notes • Help • CAF Performance Testing Resources • Viewing Related Revenue Edge Courses in Calix Academy