

Industrial Ethernet Fundamentals Training

1 Day (8 hour) Course Curriculum

Course Description:

With the ever-increasing emergence of Smart Manufacturing technologies, it has never before been so important or necessary to understand Ethernet technologies. Our Industrial Ethernet Fundamentals Training course offers an essential foundation for understanding industrial EtherNet/IP networking, its associated terminology, and how to configure and interact with EtherNet/IP capable devices. Real-world experience is provided with multiple hands-on exercises that include interaction with a PowerFlex 525 Drive, a Stratix 2500 Lightly Managed Ethernet switch, a CompactLogix controller, and a laptop with RSLinx Classic, FactoryTalk Linx Network Browser, and Studio 5000 Logix Designer software, all utilizing EtherNet/IP communications.

This course was designed to provide fundamental Ethernet concepts that apply to all industrial automation devices and systems that are Ethernet capable.

Prerequisites: It is highly recommended to 1) have attended our PowerFlex 525 Drives Essential Training, or 2) have field experience with using laptops, and interaction with PowerFlex 520 Series drives.

Course Agenda:

- Fundamentals of Industrial Ethernet
- Understanding Ethernet Configuration Settings
- Ethernet Configuration of:
 - Personal Computer
 - RSLinx Classic Software
 - FactoryTalk Linx Network Browser Software
- PowerFlex 525 Drive Ethernet Configuration Using:
 - Drive Keypad
 - BootP-DHCP Utility
 - DHCP Persistence Using Stratix Switch
- PowerFlex 525 Drive in Studio 5000 Logix Designer Project
 - Adding Drives to Logix Project
 - Going Online with Logix Project
 - Manually Controlling Drive from Logix Project
- Network & Ethernet Troubleshooting Skills



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Who Should Attend:

Individuals who want to increase or improve their automation skill set, and those who are responsible for installation, configuration, maintenance, and troubleshooting of the latest generation of automation control devices and systems.