Introduction to the Know-How Hub and the Developer’s ToolBox for EtherNet/IP

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Mission: Advance

Market-leading EtherNet/IP Products

Steep Learning Curve

EtherNet/IP Specification

Finding Help

Design Decisions

Reference Implementation
Mission: Advance

Market-leading EtherNet/IP Products

Tutorial Documents

Training Seminars

Enabling Technology Providers
Need For an Integrated Learning Environment

Reference Designs

Online Community

"Hello EtherNet/IP!";

Working Examples

Integrated Specification

Training

Define Device Functionality (Click to expand)

Select Implementation Option (Click to expand)

Implement and Test Device (Click to expand)

Conformance Test (Click to expand)

Development Workflow
Developer’s ToolBox for EtherNet/IP is Now Available!

New to EtherNet/IP?
Get the digital, Integrated Learning Environment designed to accelerate your Know-How!
Developer’s ToolBox for EtherNet/IP

• A self-guided course in EtherNet/IP
• Connects main concepts directly to the applicable content in the Specification
• Provides real-life examples
• All within an “Integrated Learning Environment”
Developer’s ToolBox Components

• Developer’s ToolBox Framework
• EtherNet/IP Short Course (integrated with The EtherNet/IP Specification)
• CIPengine
• Virtual Devices
• Virtual Lab
• …and Online Community Access in the Know-How Hub
Tour of Developer’s ToolBox

Developer's ToolBox for EtherNet/IP

Let's take a quick tour!
Introducing: the Know-How Hub

Designed to connect developers with the information and resources they need to make and sell products using ODVA technologies:

• Get Started
• Resources to CIPCelerate
• Obtain DOC
• Market Your Product
Purpose of the Know-How Hub

• Light the path
• Simplify the process
• “Hot-Connect” directly from the Hub to the content:
  – Must-read publications
  – Terms of Usage Agreement
  – Order forms
Purpose of the Know-How Hub

• CIPcelerate resources:
  – Enabling Technology Providers
  – Tools and Training
  – Developer’s ToolBox for EtherNet/IP
New Subscription Management System

- Improving the user experience for vendors and ODVA Members
- Streamline fulfillment and update process

Order ODVA Product → Delivery → Login → Product Activation Code → Role / Permission → Deeper Know-How: in the Online Community
Know-How Hub’s Online Community

- Private area where developers can get information and answers about ODVA products and services
- Single sign-on
- Tied to ODVA’s new subscription management system
- Designed for growth
## Behind the Login: Online Community Content

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Know-How Hub Blog

Roundtable for EtherNet/IP: 2017 Schedule

At ODVA's Roundtable for EtherNet/IP events, ODVA Members and invited experts engage in peer-based exploratory discussion and collaboration aimed at h...

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EtherNet/IP and DeviceNet CT Level Updates

Each ODVA test comprises a suite of tests that are collectively released as a Composite Test (CT), followed by a revision level. In December 2016, ODV...

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Dedicated Resources for ODVA Products

EtherNet/IP Developer’s ToolBox

Installation Instructions

Download and Activation Information
ODVA distributes the URL where the Developer's ToolBox software can be downloaded via email directly from ODVA's software subscription system. If you have a question about your subscription or need the download URL sent to you again, please contact ODVA via the Manage My Subscription link, available on the My ODVA Subscriptions page.

Software Installation Requirements
Installation of the Developer's ToolBox for EtherNet/IP requires a Windows 7 or later PC and Java runtime engine — the installer will notify and prompt you if it detects the need for Java runtime on your PC.

The EtherNet/IP Specification Integration
The Specification integration feature of the Developer's ToolBox allows you to link directly from specific references within the ToolBox learning environment to the relevant sections of the Specification. The integration requires the latest version of The EtherNet/IP Specification, including Volume 1, edition 3.21 and Volume 2, edition 1.22 of The CIP Networks Library. You will be prompted to enable The EtherNet/IP Specification links by mapping the ToolBox software to the directory where your Specification volume PDF files are located. You may order The EtherNet/IP Specification and map it to the ToolBox after the software...
Tool Tips for Developer’s ToolBox for EtherNet/IP

Getting an “Activation Code is Not Valid” Error?
If your Developer’s ToolBox software is not accepting the activation code sent to you, ODVA offers these tips: Check the accuracy of the...
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Need to Install or Reinstall ToolBox?
A single-user subscription to Developer’s ToolBox entitles you to up to three activations of the software, so if you need to install ToolBox on more t...
Read More »

Subscription Expired? Subscription Changed? Here’s How to Renew
Subscriptions to ODVA’s Developer’s ToolBox for EtherNet/IP have a one-year term. Trial versions of the product are also available. If your Develop...
Read More »

Map The EtherNet/IP Specification to Developer’s ToolBox
Your subscription is active.
You may add additional ODVA products or renew your subscription with an updated key at any time.

Add additional activation codes

My ODVA Subscriptions

Based on the login, show the primary technical contact who's been activated and what licenses they have in the knowhow-hub. For now this is just for ToolBox, but other products would be added as we bring them into the new activation system. For example, here's what I envision showing on this screen, all of which would be pulled from the admin/software_subscriptions:

ODVA Special Reserve

Stacey Antilla
san@odva.org
Subscription: 02/08/2017 - 02/28/2017
Conformance Q&A

Search our articles library for conformance testing tips and answers to the most common questions addressed by ODVA’s Conformance Authority. Or filter our Conformance Q&A library by category. The most frequently asked questions include:

- Why conformance test?
- How much will my test cost?
- Does my device need to be conformance tested?
- How do I fill out the Test Service Order form?
- What is the difference between a Product Family test and a Single Product test?
- How do I maintain the Declaration of Conformity?
- Should I attend my test?

My product uses another vendor’s stack. The stack has already been tested and has an ODVA DOC. Do I need to conformance test my product to obtain a DOC?

I am only implementing a part of one of the CIP technologies (e.g., EtherNet/IP) to be able to communicate with a specific product (e.g., a scanner). Do I still need to conformance test my product?
THANK YOU