**Using the Productivity Suite Integration Library with IO-Link devices**

1. Extract the .adtkl file from this zip file
2. In Productivity Suite, in the Task Management window, right-click on the ‘Task Library’ folder and select ‘Import Group’. Navigate to the folder where you extracted the .adtkl file above, select it, and click ‘Import’.
3. You’ll see a new folder in your **Task Library** labeled with the device series you downloaded.
4. If you don’t already have the “**IO-Link Data Mapping**” task in your Run Every Scan folder, drag it there from the new Task Library folder. Click ‘OK’ when the Tag Conversion window appears. This will create the necessary tags for this task. Repeat this for the “**Call Device Code**” task if you don’t already have it loaded in your program.
5. Drag the task with the device series you want to use into the ‘Run When Called’ folder. Click ‘OK’ when the Tag Conversion window appears. This will create the necessary tags for this task. In this example, we used the **Endress Hauser iTHERM** as our called task.
6. To use multiple devices of the same series, duplicate one rung in the **Call Device Code** task and modify using this as a reference:

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AI-generated content may be incorrect.

**Source**: the ‘CALL’ instance from above

**Destination**: the original instance from the first CPD instruction

Select the task designed for this device type

**Source**: the IO-Link master and port where the device is attached

**Destination**: the IO-Link part of the same tag as above

**Source**: the IO-Link part of the ‘CALL’ instance from above

**Destination**: the IO-Link master and port where the device is attached

**Source**: the instance you want to control

**Destination**: the ‘CALL’ instance of the same device type

**Source**: the instance you want to control

**Destination**: the ‘CALL’ instance of the same device type

**Source**: the IO-Link master and port where the device is attached

**Destination**: the IO-Link part of the same tag as above

Select the task designed for this device type

**Source**: the IO-Link part of the ‘CALL’ instance from above

**Destination**: the IO-Link master and port where the device is attached

1. Create an EtherNet/IP device in Hardware Configuration using the EDS file for the IO-Link Master. **Note**: It is important that the EtherNet/IP device be setup to use the tags and device name that the integration code is using. In the EtherNet/IP Client Properties, select Use Structure and pick the **IO-Link Master.EIP\_Device** tag. Use ‘**IO-Link Master**’ for the Device Name. Use the **IO-Link Master.Cyclic\_Input\_Data** tag for the T->O (INPUT) Data Array and the **IO-Link Master.Cyclic\_Output\_Data** tag for the O->T (OUTPUT) Data Array. Set the configuration value for the Port mode to “IO-Link” for each applicable port.

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