

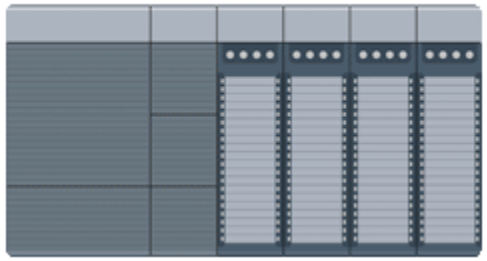
RFID Readers Using Easy and Expert Mode

For Allen Bradley PLCs communicating Ethernet/IP

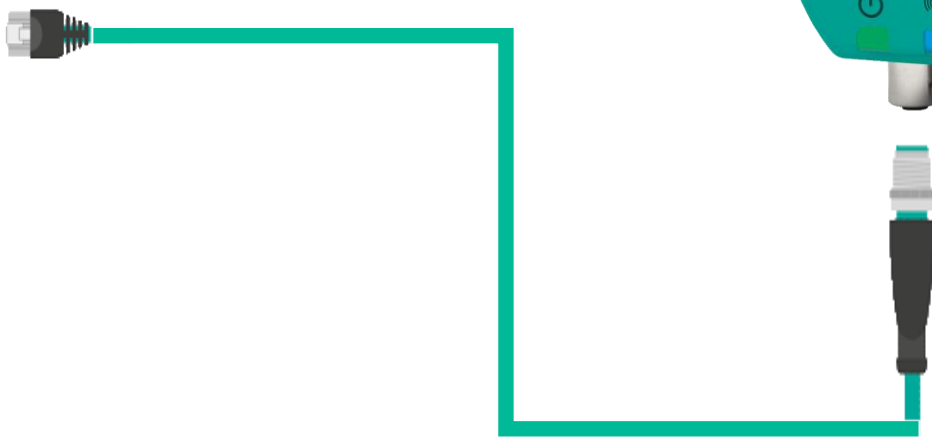
Components IUT...B40

Stand-Alone UHF RFID Reader

- **EPC Gen2 standard**
- **Reader – IUT-F190-B40-2V1D-…**
- **Tags – IUC…**



Allen Bradley PLC



EtherNet/IP

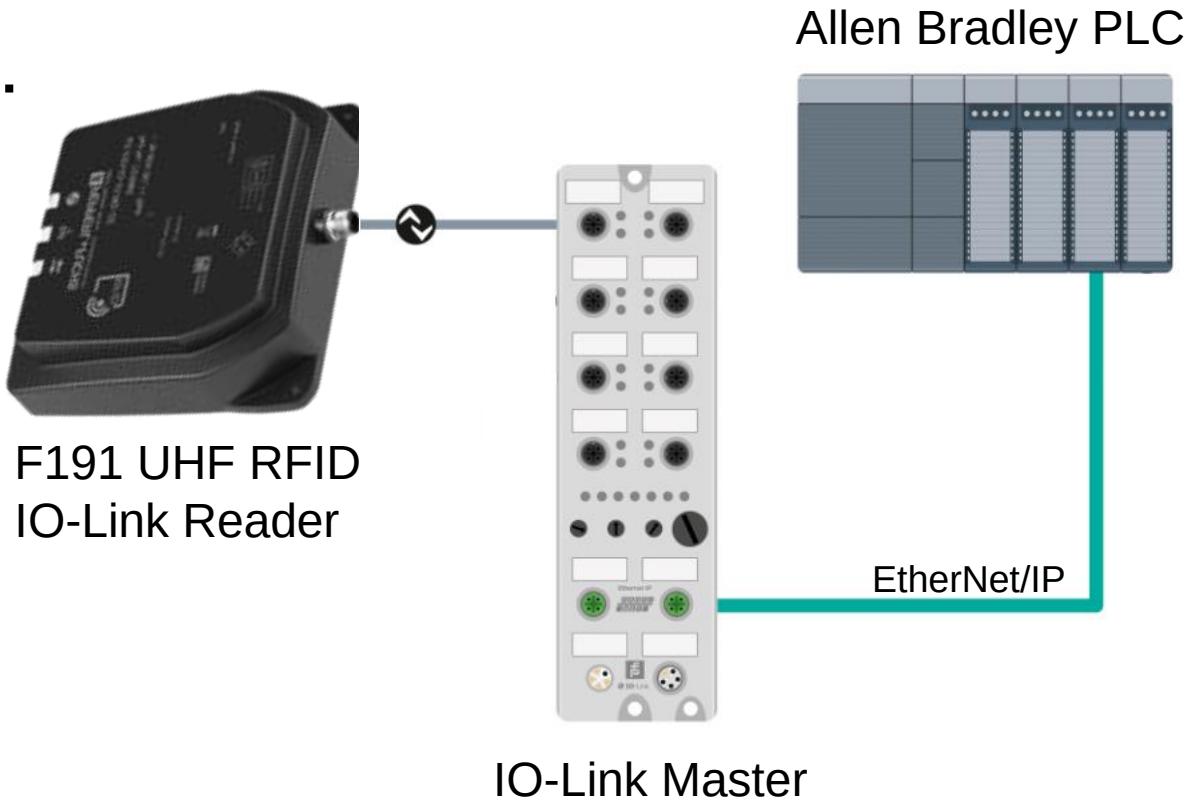


B40

Components IUT-...-IO

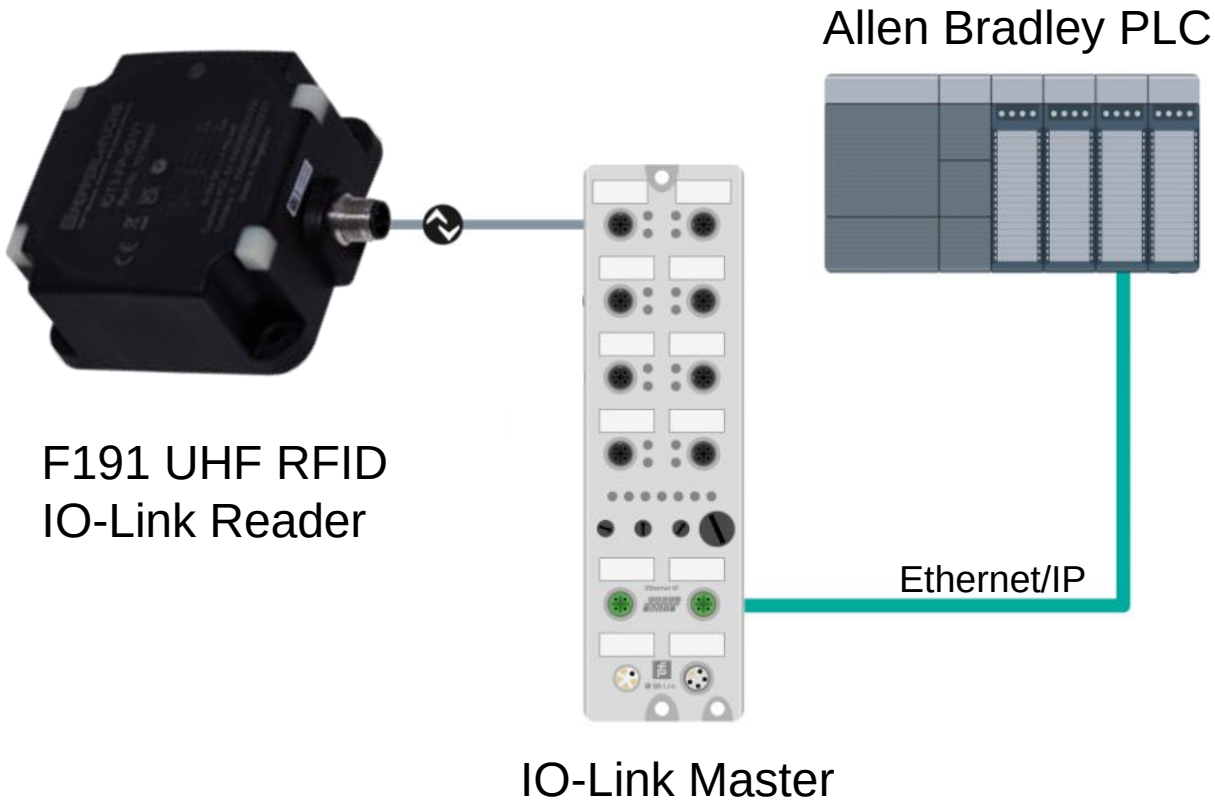
IO-Link UHF RFID Reader

- **EPC Gen2 standard**
- **Reader – IUT-F191-IO-V1-…**
- **Tags – IUC…**



Components IQT3-FP-IO-V1

1. **IO-Link HF RFID Reader**
2. **13.56 MHz ISO 15693**
3. **Reader – IQT3-FP-IO…**
4. **Tags – IQC…**



Add-On

Selection Guide

Modes of operation

- Easy
- Expert

Input Representations

- Long
- Short

The Mode and Input Representation parameters must be set properly to use these Add-Ons!

Qw Parameter must not be 0 if multiple tags will be in the field.

Add-On	…Easy_Long	…Easy_Short	…Expert_Long
Mode	Easy	Easy	Expert
Input Representation	Long	Short	Long
One bit read/write control	✓	✓	
Digital inputs	✓ (IUT…B40… only)	✓ (IUT…B40… only)	
All read/write commands possible			✓
Tag Present Bit	✓	✓	
Filtering			✓
Function Blocks Required			✓
Multiple tags in field	✓		✓
UID included with all responses	✓		✓
Max Read length (bytes)	10 (IUT…IO…) 16 (IQT3…IO…) 106 (IUT…B40…)	28 (IUT…IO…) 28 (IQT3…IO…) 106 (IUT…B40…)	192
Max Write length (bytes)	28 (IUT…IO…) 28 (IQT3…IO…) 124 (IUT…B40…)	28 (IUT…IO…) 28 (IQT3…IO…) 124 (IUT…B40…)	192

Parameters

Reading and Writing

Model Number	Add-On to Set parameters on ICE1,ICE11, ICE2 IO-Link masters	Add-On to Set parameters on ICE2 IO-Link masters only	Set Parameters in Ethernet/IP Config Assembly
IUT-F190-B40-2V1D-FRx-XX			✓
IUT-F191-IO-V1-FRx-XX	PF_IUT_IO_Parameters_All	PF_IUT_IO_Parameters_ICE2	
IQT3-FP-IO-V1	PF_IQT3_IO_Parameters_All	PF_IQT3_IO_Parameters_ICE2	

Data

Reading and Writing

AOI Name	Mode	Input Representation	Reader Support
PF_RFID_Easy_Long	Easy	Long	All
PF_RFID_Easy_Short	Easy	Short	All
PF_RFID_Expert_Long	Expert	Long	All

IO-Link Master

Supported Model Numbers

Model Number	Description
ICE2-8IOL-K45P-RJ45	Panel mount with spring terminals
ICE2-8IOL-K45S-RJ45	Panel mount with screw terminals
ICE2-8IOL1-G65L-V1D	Field mount with 4 Class A and 4 Class B ports, plastic
ICE2-8IOL-G65L-V1D	Field mount with 8 Class A ports, plastic
ICE1-8IOL-G60L-V1D	Field mount with 4 Class A and 4 Class B ports, metal
ICE1-8IOL-G30L-V1D	Field mount with 4 Class A and 4 Class B ports, metal compact
ICE11-8IOL-G60L-V1D	Field mount with 8 Class A ports, metal



K45



G65



G60



G30

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