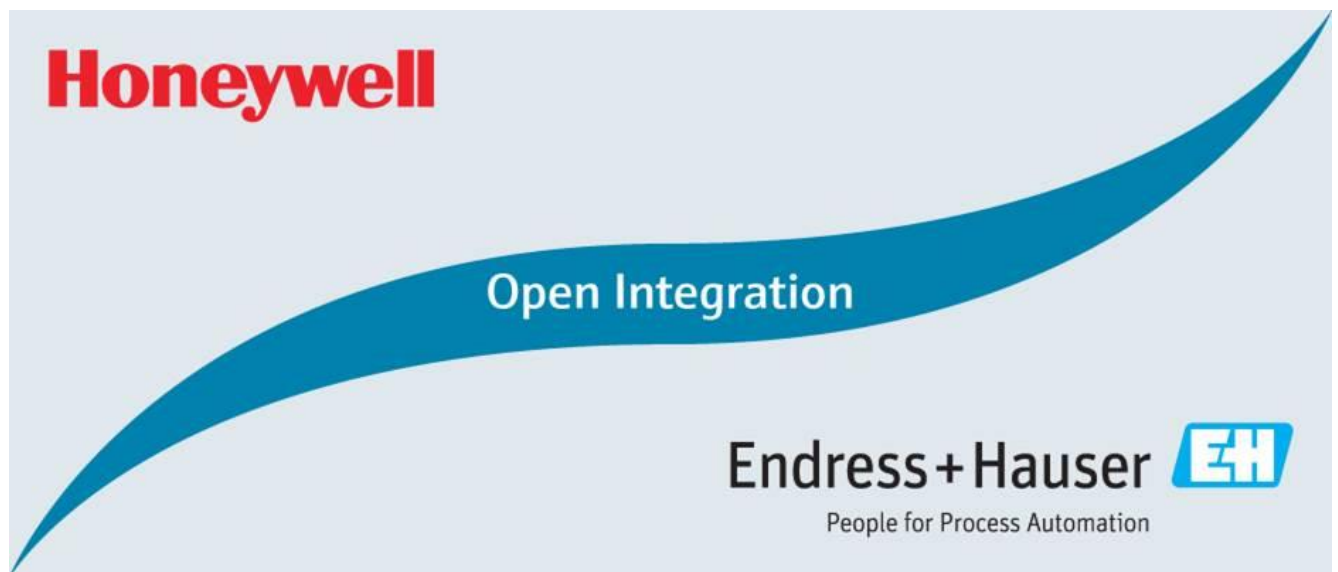


List of Tested Devices and Versions HON04

Honeywell Experion®PKS and PROFINET over Ethernet-APL
for Chemical Industry



Supported by:

 **PEPPERL+FUCHS**

 **PHOENIX
CONTACT**

 **bürkert**
FLUID CONTROL SYSTEMS

FESTO

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1 Document Information

1.1 Purpose and Scope

This document lists all relevant components and devices with versions as used for testing of the Reference Topology HON04. All content of this document is jointly developed, reviewed and approved by Honeywell and Endress+Hauser as a common deliverable of Open Integration.

1.2 Document History

This is version 1.00.00 of this document. Version history:

Version	Released	Description
1.00.00	2024-09	Initial version



1.3 Related Documents

Please refer to related documents as listed below:

Document	Description
SD02920S/04/EN/01.24	Reference Topology HON04
SD02921S/04/EN/01.24	Integration Tutorial HON04
SD02922S/04/EN/01.24	Integration Test Summary HON04



2 Process Control System



2.1 Reference Software

Honeywell		Detail	Description
<div>Configuration Studio</div> 	Function	Configuration and commissioning of EPKS	
	Order code	n.a.	
	SW version	EPKS R520.2 RFP3 (preliminary)	
	Operating system	Windows Server 2016 Standard (64 bit)	
	Other relevant information		
<div>FDM</div> 	Function	Plant Asset Management Tool	
	Order code	n.a.	
	SW version	R521.1	
	Operating system	Windows Server 2016 Standard (64 bit)	
	Other relevant information		

2.2 Reference Hardware



Honeywell

	Detail	Description
<div>Experion®PKS</div> <div>CF9</div> <div></div>	Function	Control Firewall with 9 ports
	Order name, code	Processor: CC-PCF901 IOTA: CC-TCF901
	FW version	JJ
	Serial number	M0200319200
	Other relevant information	
<div>Experion®PKS</div> <div>C300</div> <div></div>	Function	Controller
	Order name, code	Processor: CC-PCNT01 IOTA: CC-TCNT01
	FW version	Application Image Version EXP520.1-55.239
	Serial number	M0250407278
	Other relevant information	

Honeywell		Detail	Description
Experion®PKS EIM 	Function	Ethernet Interface Module	
	Order name, code	Processor: CC-PEIM01 IOTA: CC- TEIM01	
	FW version	Application Image Version EXP520.1-55.709	
	Serial number	M0200750525	
	Other relevant information		
Experion®PKS EIM 	Function	Ethernet Interface Module	
	Order name, code	Processor: CC-PEIM01 IOTA: CC- TEIM01	
	FW version	Application Image Version EXP520.1-55.709	
	Serial number	M0200598727	
	Other relevant information		

3 Plant Asset Management System

3.1 Reference Software

Endress+Hauser  <small>People for Process Automation</small>		Detail	Description
FieldCare 	Function	Configuration, commissioning of intelligent field devices.	
	Order code	SFE500-NEGZ101	
	SW version	V2.18.00	
	FDI Packages library	FDI Package library V2.00.00 – 02/2024	
	CommDTM	E+H PROFINET CommDTM V1.1.0.18 (2024-03-25)	
	Operating system	Windows 10 Professional (64 bit)	



4 Field Network Infrastructure



4.1 Reference Hardware

The Industrial Ethernet Switches are mandatory for this reference topology, with relevant impact to integration tests. Honeywell and Endress+Hauser recommend using the components as listed below:



4.1.1 PROFINET-APL Network

Reference hardware:

 PEPPERL+FUCHS		Detail	Description
Ethernet-APL Rail Field Switch 		Function	Ethernet-APL rail field switch
		Order name, code	ARS11-B2-IC24-1
		FW version	V1.2.2.2875
		GSDML File	GSDML-V2.44-Pepperl+Fuchs-ARSic-20231204.xml
		FDI Package	Pepperl+Fuchs.APL_Rail_Switch_ic.1.4.128.PROFINET.fdx
		Other relevant information	




 PHOENIX CONTACT		Detail	Description
Industrial Ethernet Switch 		Function	Industrial Ethernet Switch (Ethernet-APL)
		Order name, code	1384244
		FW version	V3.30.20
		GSDML File	GSDML-V2.42-PhoenixContact-FL-SWITCH-APL-2224-4A-213-20231016.xml
		Other relevant information	




4.1.2 PROFINET Network


 Industrial Ethernet Switch 	Detail	Description
	Function	Industrial Ethernet Switch (PROFINET)
	Order name, code	FL SWITCH 2506-2SFP PN
	FW version	V3.21
	GSDML File	GSDML-V2.42-PhoenixContact-FL-SWITCH-2x08-20220829.xml
	Other relevant information	

5 Field Devices


5.1 PROFINET-APL Devices


Endress+Hauser  People for Process Automation	Detail	Description	Device Type
Cerabar 	Function	Absolute and Gauge Pressure Transmitter	0xA22A
	Order Code	PMP71B-xxFA*	
	Serial No.	U1APLPMP004	
	FW version	V1.00.00-76	
	GSDML Files	Profile: GSDML-V2.43-PA_Profile_V4.02-B310-PRESSURE-20230217	
		E+H: GSDML-V2.43-EH-EVO2Cerabar-20230217	
	FDI Package	Endress+Hauser.Cerabar_5xB_7xB.01.00.329.PROFINET.fdx	
	Other relevant information		
Micropilot 	Function	Radar Level Transmitter	0xA1C1
	Order Code	FMR62B-xxFA*	
	Serial No.	S9APLFMR009	
	FW version	V1.00.00-38	
	GSDML Files	Profile: GSDML-V2.43-PA_Profile_V4.02-B321-LEVEL_RADAR-20230217	
		E+H: GSDML-V2.43-EH-FMRxxB-20221220.xml	
	FDI Package	Endress+Hauser.Micropilot_5xB_6xB.01.00.467.PROFINET.fdx	
	Other relevant information		

	Detail	Description	Device Type
iTHERM 	Function	Temperature Transmitter	0xA3FF
	Order Code	TMT86-xxA*	
	Serial No.	V200B804404	
	FW version	V1.00.00-36	
	GSDML Files	Profile: GSDML-V2.43-PA_Profile_V4.02-B300-TEMPERATURE-20230217	
		E+H: GSD_V2.43-EH-iTEMP_TMT86-20230428.xml	
	FDI Package	Endress+Hauser.iTEMP_TMT86.01.01.01.PROFINET.fdx	
	Other relevant information		
Promag P 300 	Function	Electromagnetic Flow Transmitter	0xA43C
	Order Code	5P3Bxx-xxDRC*	
	Serial No.	Prototype	
	FW version	V1.00.02-02	
	GSDML Files	Profile: GSDML-V2.43-PA_Profile_V4.02-B332-FLOW_EL_MAGNETIC-20230217	
		E+H: GSDML-V2.43-EH-Promag_300_500_APL-20240125	
	FDI Package	Endress+Hauser.Promag_300_500_APL.01.01.01.PROFINET.fdx	
	Other relevant information	External power supply required	
Promass F 300 	Function	Coriolis Flow Transmitter	0xA43B
	Order Code	8F3Bxx-xxDRC*	
	Serial No.	Prototype	
	FW version	V1.00.02-02	
	GSDML Files	Profile: GSDML-V2.43-PA_Profile_V4.02-B333-FLOW_CORIOLIS-20230217	
		E+H: GSDML-V2.43-EH-Promass_300_500_APL-20240202	
	FDI Package	Endress+Hauser.Promass_300_500_APL.01.01.03.PROFINET.fdx	
	Other relevant information	External power supply required	

	Detail	Description	Device Type
Prowirl 200 	Function	Vortex Flow Transmitter	0xA438
	Order Code	7F2Cxx-xxS*	
	Serial No.	Prototype	
	FW version	V1.00.01	
	GSDML Files	Profile: GSDML-V2.43-PA_Profile_V4.02-B330-FLOW_VORTEX-20230217	
		E+H: GSDML-V2.43-EH-Prowirl_200_APL-20230618.xml	
	FDI Package	Not yet available	
	Other relevant information		

5.2 PROFINET Actuators

	Detail	Description	Device Type
Industrial Ethernet Gateway 	Function	PROFINET Gateway Type ME43	0x23
	Order Code	307390	
	Serial No.	1001	
	FW version	A.04.04.01	
	GSDML Files	GSDML-V2.42-Buerkert-AirLINE8652-20220805.xml	
	FDI Package	Not available	

	Detail	Description	Device Type
CPX-M-FB44 	Function	Interface	0x101
	Order Code	8110370	
	Serial No.	1F6D7B34	
	FW version	V4.6.51	
	GSDML Files	GSDML-V2.34-Festo-CPX-20230831.xml	
	FDI Package	Not available	

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