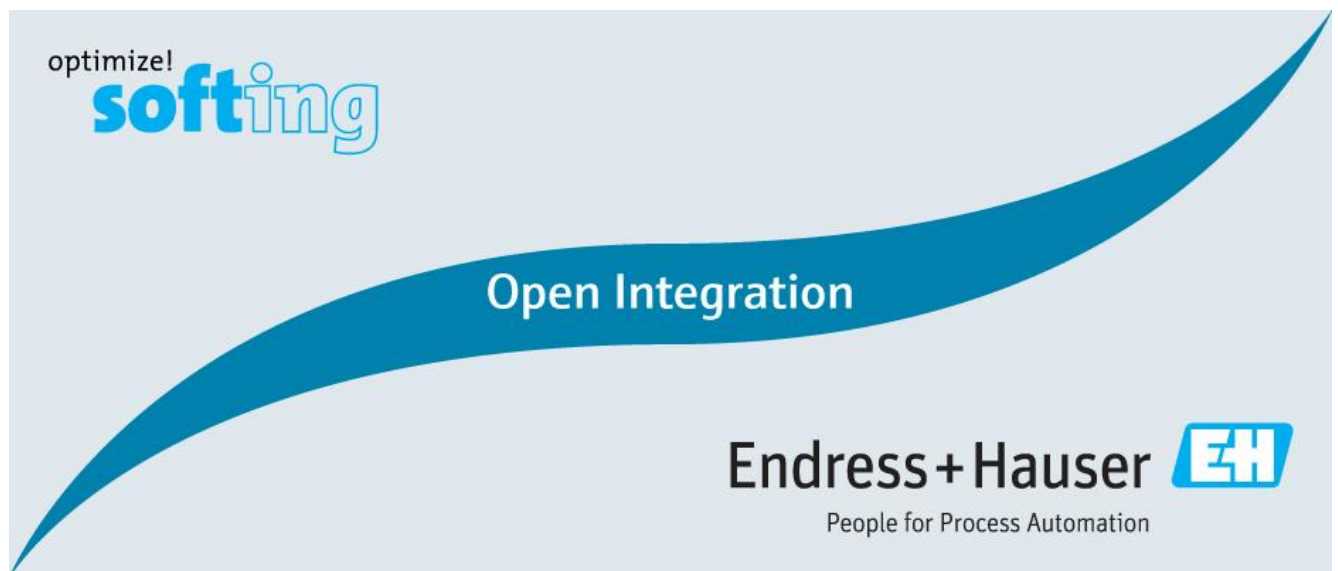


## List of Tested Devices and Versions SYT01

Softing smartLink and HART over PROFIBUS for  
Siemens ET200M and ET200SP





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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 SYT01. All content of this document is jointly developed, reviewed and approved by Softing 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	2022-06	Initial version


### 1.3 Related Documents

Please refer to related documents as listed below:


Document	Description
SD02925S/04/EN/01.22	Reference Topology SYT01
SD02926S/04/EN/01.22	Integration Tutorial SYT01
SD02927S/04/EN/01.22	Integration Test Summary SYT01

## 2 Process Control System

### 2.1 Reference Hardware

<b>SIEMENS</b>	<b>Detail</b>	<b>Description</b>
S7-300 	Function	Controller
	Order name, code	6ES7 315-2EH14-0AB0
	Serial No.	C-K2SP2760 2018
	FW version	V3.2.14

### 2.2 Reference Software



<b>SIEMENS</b>	<b>Detail</b>	<b>Description</b>
SIMATIC Step 7 	Function	Configuration and Programming of Siemens SIMATIC Controllers
	Order code	6ES7810-4CC11-0YA7
	SW version	V5.6 + SP2 / K5.6.2.0
	Operating system	Win 7 Pro 64 bits

## 3 Field Network Infrastructure



### 3.1 Reference Hardware

#### 3.1.1 HART over PROFIBUS Remote IOs



ET200M Reference hardware:

<b>SIEMENS</b>	<b>Article</b>	<b>Description</b>
Interface Module 	Function	ET200M IM-153-2
	Order code	6ES7 153-2BA02-0xB0
	Serial number	C-XNUB25932009
	FW version	V 5.0.16
HART Analog Input 	Function	HART Analog Input SM331, 8 channels
	Order code	6ES7 331-7TF01-0AB0
	Serial number	C-X2UB6456
	FW version	V 2.0.2


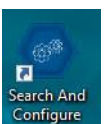
ET200SP Reference hardware:

<b>SIEMENS</b>	<b>Article</b>	<b>Description</b>
Interface Module 	Function	ET200M IM-153-2
	Order code	6ES7 134-6TD00-0CA1
	Serial number	C-F0AD2532
	FW version	V 5.0.16
HART Analog Input 	Function	HART Analog Input SM331, 8 channels
	Order code	6ES7 134-6TD00-0CA1
	Serial number	C-FBEL9159
	FW version	V 2.0.2

### 3.1.2 Ethernet to PROFIBUS DP Gateway



	<b>Article</b>	<b>Description</b>
smartLink 	Function	PROFIBUS Master Class2
	Order code	GEA-YN-026000
	Serial number	204100319
	FW version	1.11.00.17524
	Other relevant information	

### 3.2 Reference Software






	<b>Detail</b>	<b>Description</b>
epGate PB 	Function	Search and Configure Discovery Tool
	Order code	-
	SW version	V2.00
	Operating system	Windows 10 Professional (64 bit)

### 3.3 Netilion – connecting to IIoT

#### 3.3.1 Reference Hardware



Endress+Hauser  People for Process Automation		Article	Description
FieldEdge SGC500 	Function		Industrial edge device for connecting field devices to the Netilion Cloud
	Order code		SCGC500-AB
	Serial number		E239474
	FW version		3.00.01-5747
	Other relevant information		

#### 3.3.2 Reference Digital Services

Endress+Hauser  People for Process Automation		Article	Description
Netilion Value 	Function		Digital monitoring service
	Service Subscription		Value - Premium 500 Assets with 2GB of storage
Netilion Analytics 	Function		Field device management service
	Service Subscription		Analytics - Premium 500 Assets with 2GB of storage
Netilion Health 	Function		Field device diagnostics service
	Service Subscription		Health - Premium 500 Assets with 2GB of storage
Netilion Library 	Function		File management service
	Service Subscription		Library - Premium 500 Assets with 2GB of storage

## 4 Plant Asset Management System




### 4.1 Reference Software

Endress+Hauser 	Article	Description
FieldCare 	Function	Configuration, commissioning and condition monitoring of intelligent field devices.
	Order code	SFE500-NEGZ101
	SW version	V2.16.00
	DTM library	V2.49.00
	Operating system	Windows 10 Enterprise Version 1809 (64bits)

## 5 Field Devices






### 5.1 HART devices

Reference hardware:

Endress+Hauser  <small>People for Process Automation</small>	Detail	Description	Device Type
Cerabar M 	Function	Absolute and Gauge Pressure Transmitter	0x0019
	Order Code	PMP51-AA21JA1KGBGCJA1+AAPA78	
	Serial No.	KC01B601129	
	FW version	01.00.03	
	HART revision	6.0	
	DTM	Cerabar M 5x / PMx 5x / V1.00.xx V1.4.188.39 / 2017-03-31 / DTM Library 2.49	
Deltabar S 	Function	Differential Pressure Transmitter	0x1117
	Order Code	PMD75-ABA7D11BAAA+PB72Z1	
	Serial No.	KC02950109D	
	FW version	02.30.06	
	HART revision	7.0	
	DTM	Deltabar S / xMD7x / HART / FW2.30.zz / Dev.Rev.23 V1.4.189.51 / 2018-02-19 / DTM Library 2.49	



Endress+Hauser  People for Process Automation		Detail	Description	Device Type
<b>Deltapilot S</b> 	Function	Hydrostatic Level Transmitter	0x111A	
	Order Code	FMB70-ABA1F121GCAAPA72Z1		
	Serial No.	KC0095010AE		
	FW version	02.30.06		
	HART revision	7.0		
	DTM	Deltapilot S / FMB 70 / HART / Fw 2.30.zz / Dev. Rev. 23 V1.4.189.51 / 2018-02-19 / DTM Library 2.49		
<b>Liquiline M</b> 	Function	Liquid Analyzer Transmitter	0x11A0	
	Order Code	CM42-MAA000EAE011		
	Serial No.	KC008605G00		
	FW version	02.04.01		
	HART revision	7.5		
	DTM	Liquiline pHORP / CM42 /HART / FW 2.04.zz / Dev.Rev.04 V2.4.0.22 / 2017-06-07 / DTM Library 2.49		
<b>iTHERM</b> 	Function	Temperature Transmitter	0x11CC	
	Order Code	TR10-ABA1CAS1M2000TZD		
	Serial No.	KC05CE14152		
	FW version	01.01.16		
	HART revision	7.5		
	DTM	iTEMP / TMT82 / HART / FW 1.01.zz / Dev.Rev2 V1.10.423.4213 / 2018-03-01 / DTM Library 2.49		
<b>iTHERM TrustSens</b> 	Function	Compact thermometer with self-calibration	0x11CF	
	Order Code	TM371-1PC4/101		
	Serial No.	N3044004487		
	FW version	01.00.04		
	HART revision	7.6		
	DTM	TrustSens / TM371-TM372 / HART / FW 1.00.zz / Dev.Rev.01 V1.11.301.4871 / 2018-10-10 / DTM Library 2.49		

Endress+Hauser  People for Process Automation		Detail	Description	Device Type
<b>Levelflex</b> 	Function	Guided Radar Level Transmitter	0x1122	
	Order Code	FMP51-AAACCAAAA4GDJAAEH71Z1		
	Serial No.	N202500112C		
	FW version	01.03.01		
	HART revision	7.5		
	DTM	Levelflex / FMP5x / HART / FW 1.03.zz / Dev.Rev.4 V1.10.1.2369 / 2017-06-08 / DTM Library 2.49		
<b>Micropilot</b> 	Function	Radar Level Transmitter	0x1128	
	Order Code	FMR51-AAACCABAA5RVJAAEH72Z1		
	Serial No.	N2008D01134		
	FW version	01.02.01		
	HART revision	7.5		
	DTM	Micropilot / FMR6x / HART / FW 1.00.zz / Dev.Rev.1 V1.10.0.807 / 2017-06-08 / DTM Library 2.49		
<b>Prosonic M</b> 	Function	Ultrasonic Level Transmitter	0x0011	
	Order Code	FMU40-ANB2A21		
	Serial No.	N201510109A		
	FW version	01.04.02		
	HART revision	5.0		
	DTM	Prosonic M / FMU 4x / V4.xx V1.4.188.39 / 2017-03-31 / DTM Library 2.49		
<b>Promass 300</b> 	Function	Coriolis Flow Transmitter	0x113B	
	Order Code	8F3B08-AAIBAAAGAASAAASAA1AAEAEBLAZ1		
	Serial No.	LB0ECE02000		
	FW version	01.00.02		
	HART revision	7.4		
	DTM	Promass 300 500 / 8x3x8x5x / HART FW 1.00.zz / Dev.Rev. 01 V1.8.0.224 / 2016-07-25 / DTM Library 2.49		



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