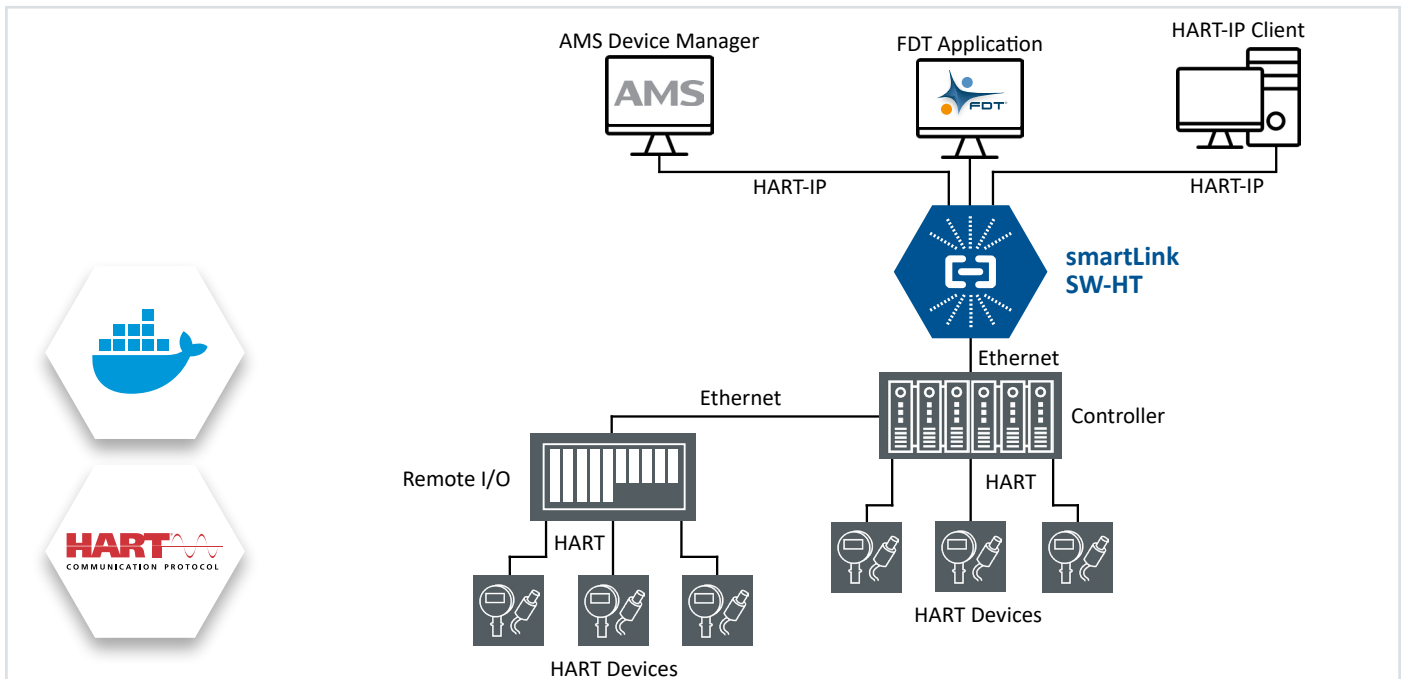


# smartLink SW-HT

## Software HART Multiplexer

- Simple and fast access to HART field devices connected to Allen-Bradley, Siemens, Schneider Electric, R.Stahl or Turck HART IO modules
- Transparent HART communication over the open HART-IP protocol
- Enables remote asset management, device configuration and monitoring
- No additional hardware needed



### Access HART Devices without additional Hardware

- Use the existing infrastructure to access the HART devices
- No additional cost for HART multiplexer hardware
- No installation and maintenance of additional Hardware
- Optional routing of the communication to the Allen-Bradley and Schneider Electric remote I/Os through the controller

### Highly Scalable Business Model

- Pay only for the HART devices connected with smartLink SW-HT
- Scalable license model based on the number of HART devices to access
- Try it with 1 HART device for free

### Transparent HART Communication

- The HART commands sent to the HART-IP server are forwarded to the HART devices
- No limitation on the supported HART commands
- Uses the open HART-IP protocol
- FDT Communication DTM for the integration into FDT applications

### Easy Deployment

- Easy to use on a Windows workstation with the VM deliverable
- Supports Docker and Kubernetes for easy deployment by IT
- Web based configuration software is included in the container

# smartLink SW-HT

## Technical Data

Supported Controller and Remote IOs	Generally, smartLink works independent from the controller, the controllers listed here are supported with their direct HART IO Modules <b>Allen-Bradley:</b> 1756 ControlLogix: 5580, 5570 and older series, 1734 Point I/O, 1794 Flex I/O, 5094 Flex 5000 I/O, 1719 Ex-I/O, 1715 Redundant I/O <b>Siemens:</b> ET 200iSP: PROFINET IM152-1PN 6ES7152-1BA00-0A00 (redundant) ET 200SP: PROFINET IM155-6PN (High Feature) 6ES7155-6AU01-0CNO PROFINET IM 155-6 PN/3 6ES7155-6AU30-0CNO (redundant), PROFINET IM 155-6 PN R1 6ES7155-6AU00-0HM0 (redundant) ET 200SP HA: PROFINET IM155-6PN 6DL1155-6AU00-OPM0 (redundant) ET 200M: PROFINET IM153-4 PN (High Feature) 6ES7153-4BA00-0XB0 CFU HART: 6ES7655-5PX41-1XX0 <b>Schneider Electric:</b> M580 controller or X80 EIO Drop adapter (BMECRA31210) <b>R.Stahl:</b> IS1+ Ex Zone 1 (9442/32-10-00, 9441/12-00-00) and Ex Zone 2 (9442/35-10-00) <b>Turck:</b> excom GEN-3G (100004545) and GEN-N (100000129)
Supported HART IO Modules	<b>Allen-Bradley:</b> 1756 ControlLogix: 1756-IF8H, 1756-IF8HK, 1756-IF16H, 1756-IF16HK, 1756-IF8IH, 1756-IF16IH, 1756-IF16IHK, 1756-OF8H, 1756-OF8HK, 1756-OF8IH, 1756-OF8IHK 1734 Point I/O: 1734sc-IE2CH, 1734sc-IE4CH, 1734sc-OE2CIH 1794 Flex I/O: 1794-IE8H, 1794-IF8IH, 1794-IF8IHNFXT, 1794-OE8H, 1794-OF8IH 5094 Flex 5000 I/O: 5094-IF8IH, 5094-IF8IHXT, 5094-OF8IH, 5094-OF8IHXT, 5094-IF4IH5 1719 Ex-I/O: 1719-IF4HB, 1719-CF4H 1715 Redundant I/O: 1715-IF16, 1715-OF8I <b>Siemens:</b> ET 200iSP: 6ES7134-7TD00-0A00, 6ES7134-7TD50-0A00, 6ES7135-7TD00-0A00, 6ES7138-7FA00-0A00 ET 200SP: 6ES7134-6TD00-0CA1, 6ES7135-6TD00-0CA1 ET 200SP HA: 6DL1133-6EW00-0PH1, 6DL1133-6EW00-0EH1, 6DL1134-6TH00-0PH1, 6DL1134-6UD00-0PK0, 6DL1134-6TB00-0HX1, 6DL1135-6TF00-0PH1, 6DL1135-6UD00-0PK0, 6DL1135-6TB00-0HX1, 6DL1135-6TF00-0EH1, 6DL1136-6AA00-0PH1 with optional module redundancy ET 200M: 6ES7331-7TF01-0A00, 6ES7332-8TF01-0A00, 6ES7331-7TB10-0A00, 6ES7332-5TB10-0A00, 6ES7336-4GE00-0A00 <b>Schneider Electric:</b> M580: BMEAHI0812, BMEAHO0412 <b>R.Stahl:</b> 9461/12-08-11, 9466/12-08-11, 9468/32-08-10, 9468/32-08-11, 9468/33-08-10, 9469/35-08-12 <b>Turck:</b> AIH401EX, AOH401EX, AIH401-N, AOH401-N
Supported HART-IP Client Applications	Emerson AMS Device Manager >= V14, Softing smartLink DTM >= V1.10
Communication Protocols	HART-IP
Tested with	Emerson AMS Device Manager V14.1.1, V14.5 (HART-IP application); PACTware, Endress + Hauser FieldCare (FDT applications); Docker
Minimum Hardware Requirements	Docker Container: 200 MB free disk space, 500 MB RAM Virtual Machine: VMware 3 GB free disk space, 2 GB RAM Hyper-V 5 GB free disk space, 2 GB RAM
Licensing	Node locked license for Docker container

## Scope of Delivery

Software	smartLink SW-HT as Virtual machine or Docker container – additionally available via Docker Hub
Documentation	User Guide

## Order Number

For free	smartLink SW-HT, Software HART multiplexer. Try it <b>with 1 HART device</b>
LRA-MM-027002	smartPlus HT, License for access to one HART device

## Additional Products and Services

LRA-MM-020670	DevComDroid HART – Android application for HART device communication
LRA-MM-020672	DevDom.iOS HART – Apple iOS application for HART device communication
LRA-MM-020671	DevCom2000 HART – Windows application for HART device communication
DBA-KM-020410	mobilLink – Mobile HART interface

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