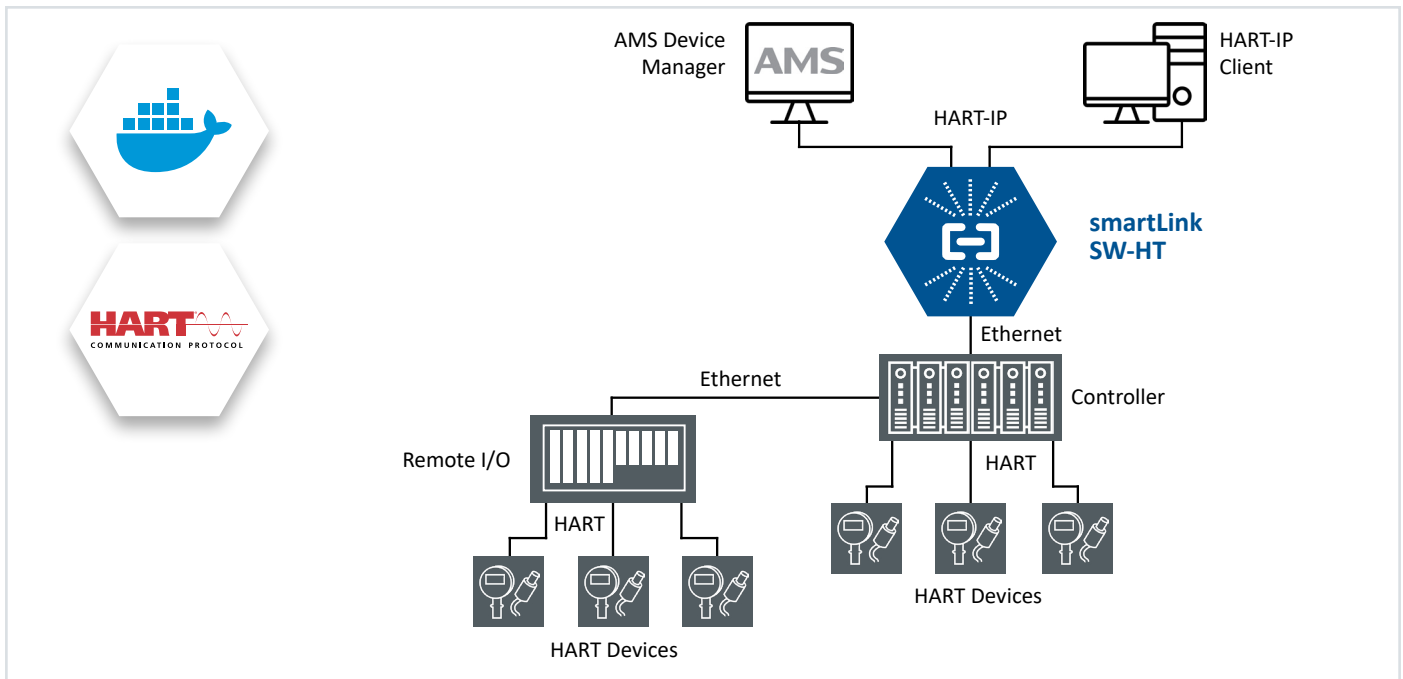# smartLink SW-HT

Software HART Multiplexer

- **Simple and fast access to HART field devices connected to Allen-Bradley or Schneider Electric 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

Easy deployment

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

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smartLink SW-HT

Technical Data

Supported Controller and Remote IOs	**Allen-Bradley:** 1756 ControlLogix, 1734 Point I/O, 5094 Flex 5000 I/O, 1719 Ex-I/O, 1715 Redundant I/O **Schneider Electric:** M580 controller or X80 EIO Drop adapter (BMECRA31210)
Supported HART IO Modules	**Allen-Bradley:** 1756 ControlLogix: 1756-IF8H, 1756-IF16H, 1756-IF8IH, 1756-IF16IH, 1756-OF8H, 1756-OF8IH 1734 Point I/O: 1734sc-IE2CH, 1734sc-IE4CH, 1734sc-OE2CIH 5094 Flex 5000 I/O: 5094-IF8IH, 5094-OF8IH 1719 Ex-I/O: 1719-IF4HB, 1719-CF4H 1715 Redundant I/O: 1715-IF16, 1715-OF8I **Schneider Electric:** M580: BMEAHI0812, BMEAHO0412
Supported HART-IP Client Applications	Emerson AMS Device Manager >= V14
Communication Protocols	HART-IP
Tested with	Emerson AMS Device Manager V14.1.1, V14.5 (HART-IP application) Docker, Docker Desktop Windows, Kubernetes, K3s, Microsoft Azure IoT Edge (Docker runtime environments)
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 **with 1 HART device**
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	mobiLink – Mobile HART interface

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