HART-IP Interface

- Standardize field device management by integrating AMS Device Manager to non-Emerson Control and Safety systems using HART-IP open protocol

- Reduce cost by eliminating hardware and associated engineering services to implement AMS Device Manager

- Reduce complexity and increase commissioning speed of HART field devices

- Expand and enable predictive maintenance of HART® devices connected to non-Emerson systems

HART-IP Simplifies Path to Digital Transformation

HART-IP is a simple-to-use, open technology that allows host systems and asset management applications to integrate with HART® enabled devices for better diagnostics and device management. It allows large amounts of data to be transferred efficiently through various transmission mediums (copper, fiber, radio).
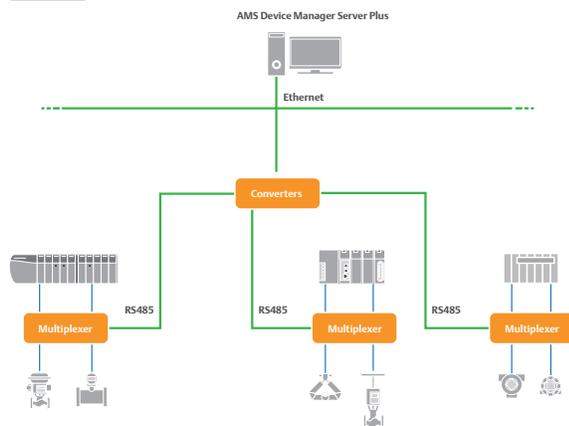
The HART-IP interface changes the way to implement AMS Device Manager with third-party systems.

Traditionally, multiplexers and protocol converters are needed, such as an RS485/232 to ethernet converter (Figure 1), to access HART data for use in AMS Device Manager.

Now, with HART-IP, an Internet Protocol (IP) enabled version of HART, AMS Device Manager can access HART devices through existing plant IP networks such as Ethernet, Wi-Fi or fiber optic networks (Figure 2). HART-IP host systems can be easily configured using its IP address in AMS Device Manager Network Configuration.
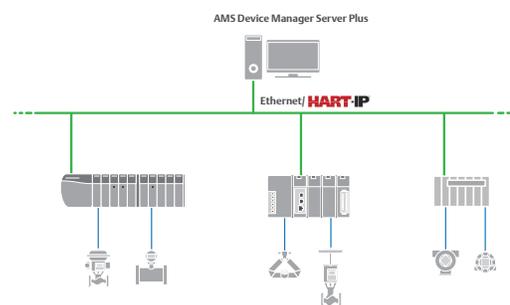
Figure 1. Traditional implementation using multiplexers

BEFORE

AMS Device Manager Server Plus

Ethernet

Converters

RS485   RS485   RS485

Multiplexer   Multiplexer   Multiplexer

Figure 2. Implementation using HART-IP Interface

AFTER

AMS Device Manager Server Plus

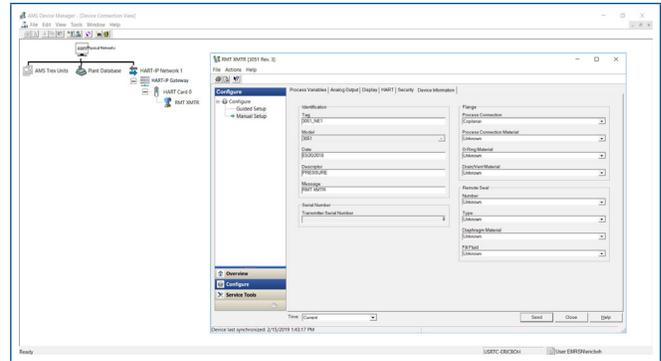Ethernet/ **HART·IP**

AMS

EMERSON™

Comprehensive Asset Management Capability for a Wider Range of Applications

The HART-IP Interface extends AMS Device Manager for diagnostics, configuration, calibration, and documentation activities of HART® devices connected to third-party systems with HART-IP server.

Gain the full benefits of AMS Device Manager including access to ValveLink™ and other SNAP-ON™ applications. Use AMS Device View for alert monitoring and project tracking. AMS Device Manager can also connect to AMS Optics Asset Performance Platform for managing asset health across the enterprise.

With the HART-IP Interface, customers achieve a cost-effective solution for remote configuration and diagnostics without the added expense of multiplexer installation and wiring. The HART-IP Interface is part of Emerson's commitment to develop applications that easily integrate with new and existing equipment from manufacturers.

The HART-IP Interface extends AMS Device Manager for diagnostics, configuration, calibration, and documentation activities of HART® devices.

Ordering Information

Description	Model Number
AMS Device Manager HART-IP interface license*	AW7110PWHI

*AMS Device Manager supports up to 16 HART-IP Gateways or Hosts per network interface.

The HART-IP Interface is available with AMS Device Manager version 14.0 and higher.

Supported HART-IP Host Systems:

- Tricon CX v11.5

- HIMax Major Version 5

- Honeywell OneWireless Wireless Device Manager

- Phoenix Contact Ethernet HART® Multiplexer

- Softing smartLink HW-DP (replaces THLink)

- Softing smartLink SW-HT
  (for Schneider M580, Allen-Bradley PLCs, R. Stahl and Siemens ET200)

- FB3000 and Open Enterprise

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