

AMS Device Manager Data Server

- Easily publish previously stranded AMS Device Manager data to Emerson and third-party systems
- Empower digital transformation initiatives across the lifecycle of your plant
- Break down information silos by employing a reliable, high performance data server for increased data usability



AMS Device Manager Data Server enables you to do more than ever with your smart device and valve data.

A Digital Enabler for your Intelligent Field Devices

For more than two decades, AMS Device Manager has been a premier asset management system in the industrial and manufacturing market, providing a single application for device configuration, predictive diagnostics and alert monitoring, documentation, calibration management and more.

AMS Device Manager connects to thousands of systems and millions of devices globally - using standard protocols such as HART®, FOUNDATION™ Fieldbus, WirelessHART® and PROFIBUS. Using AMS Device Manager Data Server, users can extend the full potential of their intelligent field device data for advanced analysis and aggregation to advance digital transformation initiatives and synergize operational systems.

Capitalize on the Full Potential of your Plant's Technology Stack

AMS Device Manager Data Server addresses manufacturers' needs by removing data silos and increasing access to trustworthy, accurate and up-to-date device information. In doing so, AMS Device Manager Data Server enables organizations to do more with their existing software and device data, allowing for pursuit of higher ROI on initiatives related to their intelligent field devices.

Extend the Full Potential of your Smart Device Data Across your Applications

AMS Device Manager Data Server employs continuous, automated collection and evaluation of data pertaining to your plant's critical field devices for enhanced predictive diagnostics.

By leveraging AMS Device Manager Data Server, users can replicate their AMS Device Manager data outside the process control network – securely extending this data into both Emerson and third-party destinations like plant historians, control systems, data lakes, visualization and dashboard applications, advanced analytics. Some examples include:

- Microsoft PowerBI
- AMS Optics
- Plantweb Insight
- AspenTech Inmation™

Data Types

Device Alert	Data/Time Description Recommended Actions Severity
Device Info	AMS Tag Device Properties such as Revision, Manufacturer, Device Type Logical Hierarchy
Device Health	Value: 0 to 100 depending on alert severity (FAILED = 0) representing the health of the device
Calibration Results	Pass / Fail Result As Found/As Left Test Data Points Test Equipment
Calibration Information	Last Calibration Result Calibration Interval Next Calibration Date
Additional Device Parameters (not limited to those mentioned here)	Process Variables (PV, SV, TV, QV) Fisher DVC: Instrument Level (Tier) Friction Deadband

Streamline Maintenance of your Control Valve Network

Simplify maintenance of control valves connected to Fisher DVCs by providing a dashboard to easily view the status of valves around a facility and recommended time frame to take corrective action on emerging issues.

AMS Device Manager Data Server provides necessary valve data to enable the Plantweb Insight Valve Health app. This simplifies and expedites evaluation of the overall status of the valve fleet, allowing non-specialists in control valves to understand fleet health and prioritize repairs based on easy-to-understand, actionable information.



Microsoft PowerBI KPI and Analytics dashboard displaying smart device data via AMS Device Manager Data Server capability.

Product Support

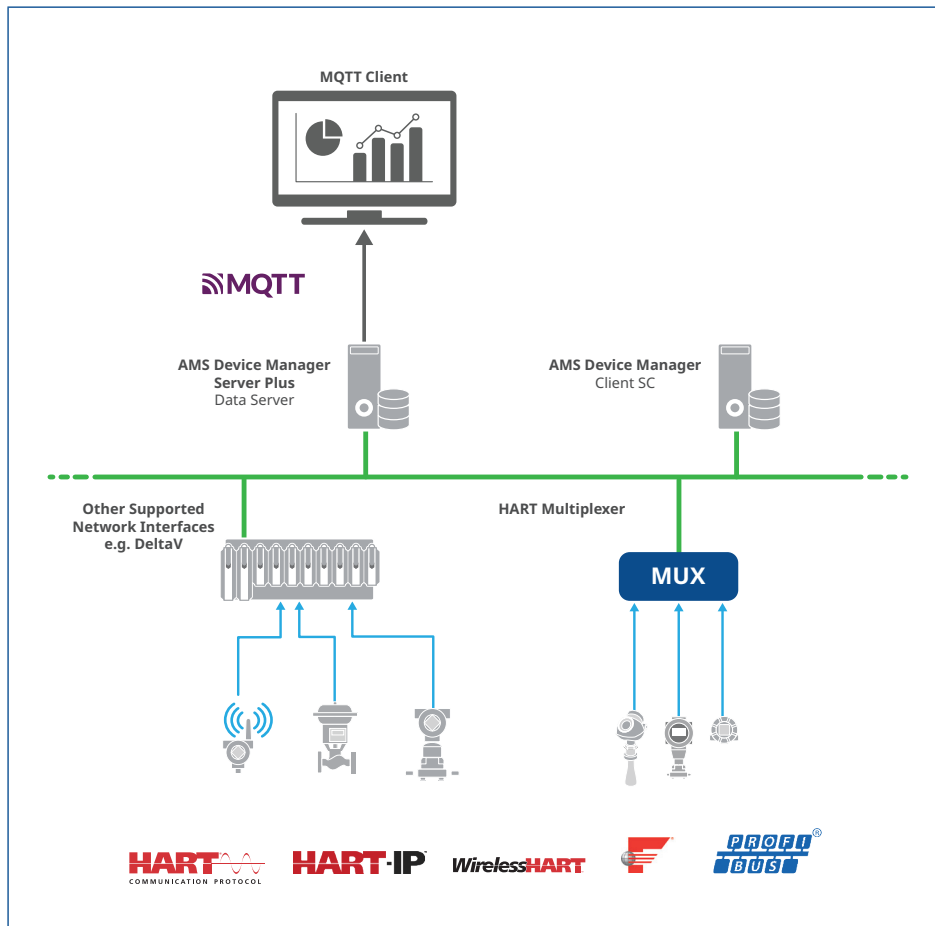
AMS Device Manager Data Server product support is delivered through Guardian™. Subscriptions to AMS Device Manager Data Server includes standard product support, which includes hotfixes and patches, updates and upgrades to the Software that Emerson generally provides to licensees at no additional charge, and 24/7 telephone technical assistance.



AMS Device Manager Data Server offers a solution to aggregate disparate and underutilized data from smart devices like control valves and measurement instrumentation, and further exploit it for positive impact elsewhere in the organization or technology stack.

Easily Integrate Smart Device Data to Foster Deeper Insights

AMS Device Manager Data Server helps manufacturers deliver on the promise of digital transformation. AMS Device Manager Data Server uses MQTT, a lightweight network protocol to send device data outside the control network.



Ordering Information

System ID	Part Number	Description
AMS Device Manager System ID (e.g. 0002-0003-1234)	AW7015GW	Enables 1-yr Data Server Subscription License in AMS Device Manager. For AMS Device Manager V14.5 FP2 and Higher only.
	AW7015GWCM	Enables 1-yr Data Server Subscription License for publishing device data to enable the Plantweb Insight™ Valve Health Application. For AMS Device Manager v14.5 FP2 Update and higher only.
Data Server System ID (e.g. 0044-0003-1234)	AW7015GWXXXX	1-yr Data Server Base Subscription License. Includes Standard Support; XXXXX Tags.
	AW7015GWUPYYYY	1-yr Data Server Scaleup Subscription License. Includes Standard Support; YYYY Tags.
	AW7015GWXXXX-R	1-yr Data Server Renewal Subscription License. Includes Standard Support; XXXXX Tags.

Note: XXXXX and YYYY represent the number of tags.

Prerequisites

- AMS Device Manager v14.5 FP2

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