



Transform Standard Diagnostic Data into Valuable Information

The HIMax HART solution from HIMA enables plant operators to use diagnostic data captured by field devices for the asset management system. Unauthorized changes to the devices are recognized and prevented by write protection. This particularly reduces the potential danger of cyber attacks.

The solution comprises the HIMax X-HART 32 01 module and the HIMax HART package. The software bundle enables usage of HART data in the application program, supplies a predefined library of functions, and can be extended with your own libraries.

Specific commands from any device manufacturer can be quickly implemented. This makes particularly complicated tasks, such as evaluations and reports, significantly easier. Even complex command sequences can be mapped.

Standards/Certificates/ SIL Design

- TÜV certified up to SIL 3 (IEC 61508, IEC 61511, IEC 62061)
- Write protection can be deactivated for parameter adjustment by module
- Deactivation of HART communication per channel

Benefits

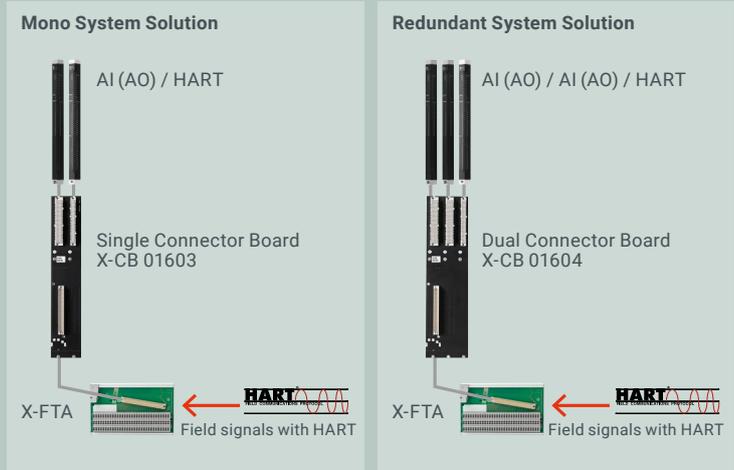
- Less engineering required
- Faster commissioning
- Less maintenance required
- Additional trend information
- And more...

Supported Asset Management Systems

- PACTWARE
- FIELD CARE
- Honeywell FDM
- Yokogawa FieldMate
- Others available on request

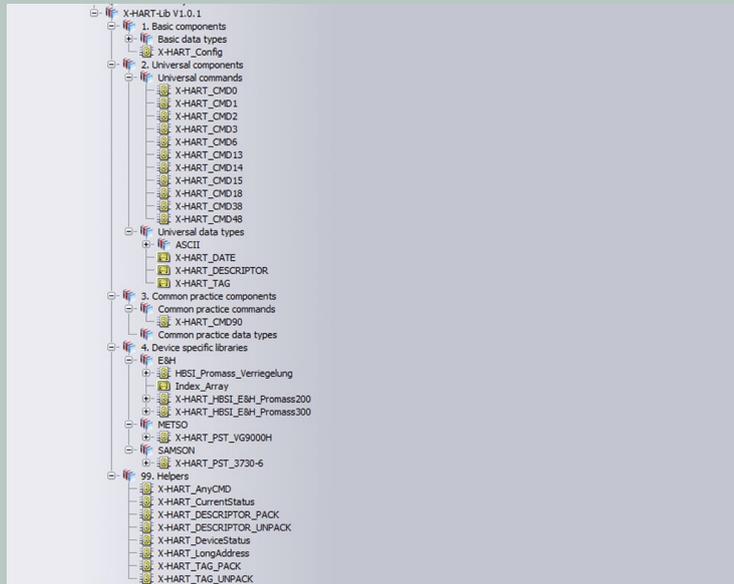
Hardware Features

- The 32-channel HART module can have a HIMax baseplate inserted in any of the slots, with the exception of the slot reserved for the system bus module.
- The module can be combined with analog input or output modules in a mono or redundant design by using connector boards.
- HART communication for up to 3200 I/Os per HIMax system (calculated based on HIMax performance: 100 I/O modules + 100 X-HART modules x 32 field instruments)



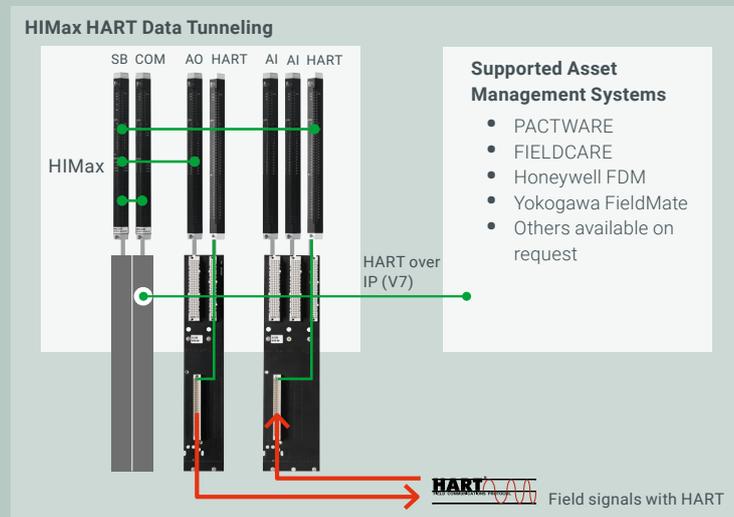
HIMax HART Package

- Import data for predefined HART variables + CUT LDB
- Predefined library of modules for all standard HART commands - 15 implemented commands
- Simple base for building your own command modules on the application level, including possibility for command sequences



HIMax HART Data Tunneling

- HART data is transmitted from the X-HART modules via the internal system bus to the assigned X-COM module.
- From the X-COM module, HART data is transferred via HART over IP Protocol version 7 (IPv7) to the asset management system or the HART OPC server.



More details in HIMax safety manual HI 801 003 E