



Pushing Performance



## **HARTING** Connectivity and IoT Solutions for Agricultural Machinery

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# The Reliable Choice for Connectivity in Agriculture

HARTING is the global choice provider of connectivity and IoT solutions for high demand and critical applications. Best known for world-class connector and cabling solutions for getting power, signal, and data quickly and reliably from point A to B, HARTING's expertise also includes board level and backplane development and manufacturing complete RFID systems for asset control and management, and, most recently, a product to connect already existing equipment and devices to the IoT.

In Agriculture, HARTING connectors make it easy to connect implements and other accessories to machinery and equipment. From rugged standard connectors, to customized board and wiring solutions, to our industry leading IoT solutions that enable you to connect equipment to the cloud and self-monitor, HARTING provides reliable connectivity solutions for an array of Agriculture applications.



## 1 Save Time with Rugged Connectivity Solutions



Connectivity solutions from HARTING are designed with time savings and ease of use for you and your end customer.

- Your customers will realize the time saving benefits of quickly and easily swapping implements and other accessories using our plug-and-play solutions.
- Modular solutions mean you can connect different media (power, signal, data) in a single connection point.
- Quickly disconnect sub-assemblies for shipment and easily re-assemble at the final location without confusion by using keyed connector options that make it impossible to mis-mate.

Standard Han®, Han-Modular®, and Han-Eco®, AEF and M8/M12 are a few harsh environment products well suited for agriculture applications. For a complete list of standard component products, specs, and drawings, visit our eCatalog at: [b2b.HARTING.com](http://b2b.HARTING.com)

## 2 Perfect Your Design by Utilizing Custom Solutions



HARTING's core expertise is providing the complete solution to our customers. Make it easy by having us design, prototype, and produce your final product in one of our Global manufacturing facilities.

Our expertise includes:

- Cable and wire harnesses assembly
- High speed backplanes design and production
- Modifications to standard products

HARTING can also design completely new connectivity solutions. Please contact us for more information.

Visit: [HARTING-usa.com/customized-solutions](http://HARTING-usa.com/customized-solutions) for more info.

## 3 Prevent Failures with Smart Connectors



Intelligent connectors from HARTING will differentiate your products from your competitors'. Smart connectivity means the connector will incorporate surge protection, enable tracking of maintenance activities, and more. Eliminate failures by instituting predictive diagnostics and preventative maintenance measures using smart connectors.

For a complete list of Intelligent connectors, specs, and drawings, visit our eCatalog at: [b2b.HARTING.com](http://b2b.HARTING.com)

## 4 Collect Data and Connect to the IoT with MICA



Improve processes and crop yields by making your equipment IoT ready with the HARTING MICA. The HARTING IIC MICA (Modular Industry Computing Architecture) makes it possible to temporarily save, evaluate and process data in the vicinity of the equipment. Its robust enclosure makes it perfectly suited for harsh environmental applications.

More importantly, MICA is an edge device designed to connect equipment to the cloud, which means you can enable your customers' equipment to collect and analyze data. Or simply make localized decisions and to free up system resources so drivers can focus on other tasks.

With the combined use of MICA, sensors, and mobile computing, the technology advancement opportunities are endless.

For more info on MICA's advanced capabilities, visit: [HARTING-usa.com/mica](http://HARTING-usa.com/mica)

## 5 Simplify Your Implement Connection with the AEF High Voltage Connector



Consider the future electrification needs of your auxiliary units and attachments.. HARTING's High Voltage Connector will aid in designs of full electric or hybrid drive systems on the tractor, and the increasing need for electric drives on auxiliary units.

High Voltage Connector:

- Break-away functionality
- 480 Volts AC and 700 Volts DC
- Maximum power of 150 kW (200A)
- IP69K protection
- Temperature range from -40°C to 85°C

For more information on the AEF High Voltage Connector, contact your HARTING representative.

## 6 Manage Your Assets with RFID Solutions



Enable your customers to keep track of their equipment and accessories with HARTING's RFID system, designed to address the rugged demands of Agriculture.

Here a just a few of many examples of where HARTING's RFID products can help you become more efficient:

- Use RFID tags to track preventative maintenance and repair schedules
- Read from and write to tags to determine and indicate the last date of service
- Asset track by checking equipment, implements, and accessories in and out of inventory without lifting a finger

Not only does HARTING offer complete RFID hardware and software solutions, we can connect you with authorized integration partners to assist you with project design and implementation. See everything HARTING's RFID solutions can do for you at: [HARTING-RFID.com](http://HARTING-RFID.com)

# On-The-Go Tools and Support

Whether you need top-notch customer service ready to assist you in whatever way makes your job easier or digital tools that educate you, HARTING makes it easy to do business and get the tools you need to be successful.



## VideoCall and Expert

HARTING knows that sometimes the best way to get the answers needed is to talk face-to-face. HARTING's VideoCall an Expert allows you to use their Apple, Android or PC device to get real-time support via video conferencing. You can VideoCall immediately or schedule in advance.

Learn more at: [HARTINGVideoCall.com](https://www.harting.com/VideoCall.com)



## HARTING Roadshow Truck

The HARTING Roadshow Truck tours North America year-round. The truck features product-based and market-based stations that enable hands-on exploration of product so you can find the perfect solution for your application.

Learn more or schedule the truck at: [HARTINGRoadshowTour.com](https://www.harting.com/RoadshowTour.com)



## Apps for Interactive and On-The-Go Learning

HARTING is now mobile with 3 applications for phones and tablets:

- **HARTING Configurator and Calculator:** Configure a modular connector and see how connectors save money over time
- **HARTING Knowledge Center:** Get all of HARTING's content in one place. Build a custom playlist and send to any email.
- **HARTING Cordset Configurator:** Configure an M8/M12 cordset – get a part number or send to HARTING for a custom quote

Download here: [HARTING-usa.com/HARTINGApplications](https://www.harting.com/usa.com/HARTINGApplications)



## HARTING-U

HARTING-U is HARTING's web-based content hub with tools (white papers, FAQs, videos, and more) to help you find the right technology for your application.

Learn more at: [HARTING-U.com](https://www.harting.com/HARTING-U.com)



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## **HARTING.com** the gateway to your country website

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