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# John Deere Introduces New Electronics Available to OEMs at CONEXPO-CON/AGG 2023



New electronics for OEMs announced at CONEXPO/CON AGG 2023

The future of smart machines means an increase in the complexity and management of critical information. At John Deere, we have firsthand experience with the increasing demand for more data and information sharing from our machines to our customers. It's what drives us to continue developing technically advanced electronics to support these demands. We are excited to extend that technology to our OEM customers. Introducing

the **Gb (gigabit) Ethernet Switch**, a first to market for industrial applications! The new Gb Ethernet Switch, planned for release in summer 2023, manages the transfer of high-quality data between multiple devices in a system—all in real time. Similar technology can be found in John Deere See & Spray™ Ultimate. In this application, thirty-six cameras mounted on the sprayer boom take high quality images which route back through the Gb Ethernet Switch to their respective processing units.

"The Gb Ethernet Switch is a key component that enables advanced precision agriculture technology on John Deere sprayers. While reducing treatment costs per acre for our customers, it also helps protect the environment from unnecessary, excess in chemical spray over the ground. We believe it can be utilized for similar purposes in other industrial OEM applications." said Mike Karnopp, Module Manager for connectivity solutions at John Deere.

### **Machine connectivity**

From machine performance to field management to data analysis, John Deere has been the industry leader in providing farmers the precision ag tools they need to monitor, manage, and maximize their farm operations. Our customers demand quality when it comes to the electronics that handle their invaluable data—in real time and in very harsh environments. Now available to OEMs, we've added a new integrated display to our product line up giving even more features and functionality for specialized applications. The **DR10/12** is a reconfigurable display providing high-brightness and sunlight readability in a 10" or 12" HD touchscreen. Data collection and processing provides 64 Gb of flash memory and 8 Gb of RAM.

"In addition to our 8" reconfigurable display, the larger 10" and 12" screens feature an integrated server which gives you multiple viewing sizes with a very compact design to fit almost anywhere in your application. Additionally, the IP65 rating that all of our displays meet allows this great ruggedized family to be mounted inside or outside a vehicle's cab." said Nick Weisbeck, Module Manager for integrated displays at John Deere .

Find out more and explore other John Deere electronic modules at the Las Vegas Convention Center.

CONEXPO/CON AGG

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## West Hall- Booth #W40844