

# John Deere Integrated Displays

## Summary

John Deere Electronics reconfigurable displays offer a variety of resolutions and user control options to meet your specialized requirements. Our displays are designed to interface to the vehicle through industry standard communications protocols, including CAN and Ethernet. Contact us at [JohnDeere.com/Electronics](http://JohnDeere.com/Electronics) to discuss different display options. The power is in YOUR hands.

## Features

- Readable in sunlight
- Operates in extreme environments
- Touchscreen
- Screen size options

- Thin-film transistor technology for liquid crystal displays
- LED high-brightness backlighting



Operational	DR8	DR10	DR12
System Voltage	12V/24V (9V-32VDC)	12V/24V (9V-32VDC)	12V/24V (9V-32VDC)
Machine Interface Connector	Molex MX150, 12-way	Tyco 26-pin	Tyco 26-pin
<b>Communications and I/O</b>			
Internal Speaker	Yes	Yes	Yes
Vehicle Communications	J1939 CAN FD 1 Port 100 Base-T1	2 x J1939 CAN 1 x Ethernet 1000T (Gigabit) 2 x 100BASE-T1 with PoDL 2 x Full RS-232	2 x J1939 CAN 1 x Ethernet 1000T (Gigabit) 2 x 100BASE-T1 with PoDL 2 x Full RS-232
Video Input	Digital video via Ethernet	1 x Analog NTSC/PAL inputs	4 x Analog NTSC/PAL inputs
Alarm	Alarm driver output	1 x Alarm Low Side	1 x Alarm Low Side
Wakeup	—	1 x Wake Input	2 x Wake Inputs
<b>On-Board Features and User Interface</b>			
User Interface	Touchscreen	Touchscreen	Touchscreen
Flash	8 GB/eMMC ≥5.0	64GB	64GB
Microprocessor (FGPA)	NXP i.MX6	iMX8QuadMax	iMX8QuadMax
Luminance	800 cd/m <sup>2</sup> LED backlight	Sunlight Readability /900 cd/m <sup>2</sup>	Sunlight Readability /900 cd/m <sup>2</sup>
RAM	256 MB/DDR3	8GB LPDDR4	8GB LPDDR4
Display	8in WVGA (800x480) LCD	10.1in Full HD (1920 x 1080) LCD	12.8in Full HD (1920 x 1080) LCD
<b>Environmental</b>			
Operating Temperature	-30°C to 70°C	-30°C to 70°C	-30°C to 70°C
Storage Temperature	-40°C to 85°C	-40°C to 85°C	-40°C to 85°C
Electrostatic Discharge	±8 kV contact, ±15 kV air	±8 kV contact, ±15 kV air	±8 kV contact, ±15 kV air
EMC Immunity	500 k-400 MHz 200 mA BCI 400 MHz	500 k-400 MHz 200 mA BCI 400 MHz	500 k-400 MHz 200 mA BCI 400 MHz
EMC Emissions	ISO 14982	ISO 14982	ISO 14982
Sealing	IP65	IP65	IP65



**JOHN DEERE**