

John Deere Connectivity Family



JOHN DEERE

Summary

The Modular Telematics Gateway integrates GNSS, mobile connectivity and onboard machine communications via CAN, Ethernet, and RS-232. It's ideally suited for advanced telematics applications such as machine health monitoring, advanced logistics, and remote diagnostics.

Features of the product family

- Extensive list of country certifications
- Wireless and Bluetooth® communication
- Designed and tested to extreme environments
- Supports 12V and 24V system
- Capable of being configured by mobile app
- Onboard diagnostics and over-the-air programmable
- CAN bus DTCs
- WiFi meshing* – Track your fleet. Capture data on multiple machines and send back to user's mobile device.

**Capable on all modules except Smart Connector*



Operational	4G-M	4G-R
System Voltage	12V/24V (9V-32)	12V/24V (9V-32)
Machine Interface Connector	CMC 48-Way	CMC 48-Way
Processing and Memory		
Microprocessor	i.MX8DXL	i.MX8DXL
RAM	1GB/DRAM	1GB/DRAM
Flash	8GB/eMMC	8GB/eMMC
Vehicle Communication		
CAN	2 Channels ISO11783/J1939 CAN FD capability	3 Channels ISO11783/J1939 CAN FD capability
RS-232	2	2
Ethernet	100BASE-T1	10/100BASE-Tx
USB	2.0 OTG	N/A
Wireless Interfaces		
Cellular	LTE CAT4 with/2/3G fallback, internal antenna	LTE CAT4 with/2/3G fallback, external antenna
GNSS	Yes	Yes
Wi-Fi	2.4 GHz	2.4 GHz
Bluetooth	V4.2	V4.2
Environmental		
Operating Temp	-40°C to 75°C	-40°C to 75°C
Storage Temp	-40°C to 85°C	-40°C to 85°C
Mechanical		
Sealing	IP69	IP67
Dimensions	145 x 145 x 44	241 x 160 x 43
Regulatory		
	U.S./Canada: FCC (tested to Part 15b), PTCRB, AT&T certification, Industry Canada Europe: CE, E mark Australia/New Zealand Extensive list of additional country approvals	U.S./Canada: FCC (tested to Part 15b), PTCRB, AT&T certification, Industry Canada Europe: CE, E mark Australia/New Zealand Extensive list of additional country approvals