

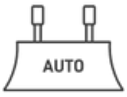
FJD Trion DC100

CAN bus solution



CAN bus grading, simple and precise

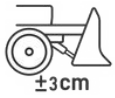
FJD DC100 CAN bus solution enables precise automatic blade control through the machine's CAN bus interface. With no extra hydraulic valve installation, fewer components, and faster response, it makes grading smarter, simpler, and more efficient.



Intelligent Control
Adaptive Blade Control



Cold-Resistant Cables
Reliable Down to -40°C



High Precision
±3 cm Accuracy



Multi-GNSS Support

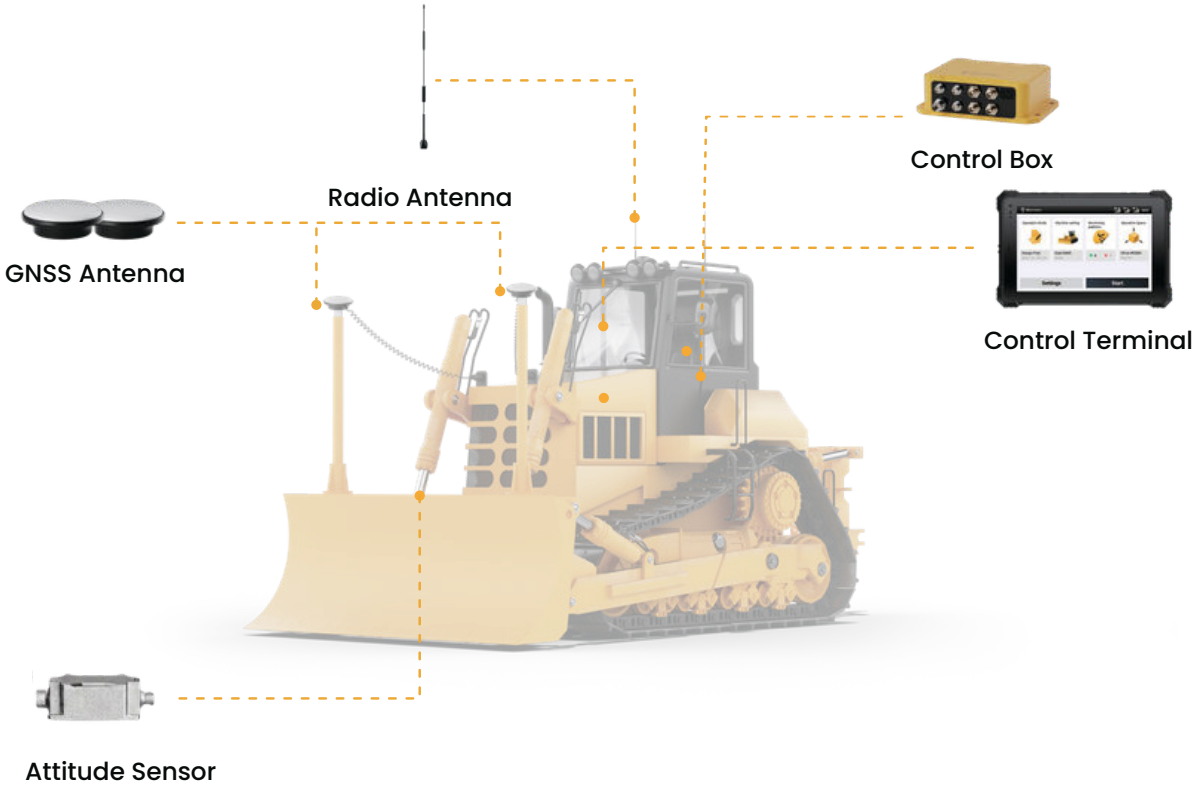


Military-Grade
Vibration-Resistant



Remote Service
Real-Time Diagnostics
Seamless OTA Updates

Fewer components, cleaner installation



Machine Compatibility

Caterpillar

D3K D4K D5K D6K



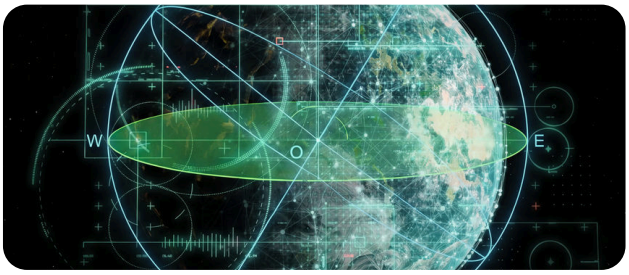
John Deere

700K 700L 750J
850K 750K 950K

Digital Construction in Practice

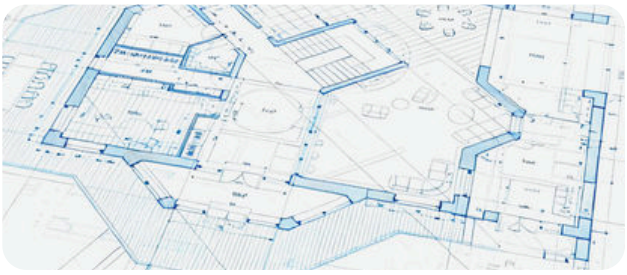
Global Coordinate Systems

6,000+ predefined coordinate systems worldwide. Grid and geoid models are downloaded online for instant use and fast configuration in new working areas.



Multi-Layer Support

Supports on-site creation of slopes, depths, and elevations, as well as DWG, DXF, and XML data formats, with efficient layer management and rendering for smooth multi-layer workflows.



FJD Trion TerraMind

Plan and dispatch projects from the FJD Trion TerraMind. Monitor team progress and machine status remotely — all from the office.

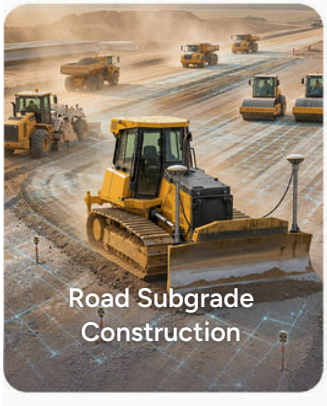


Real-Time Precision Control

Provides clear real-time guidance and intuitive on-screen results. Automatic blade control ensures reliable centimeter-level accuracy and keeps work precisely on target.



Helps you get it right, anywhere



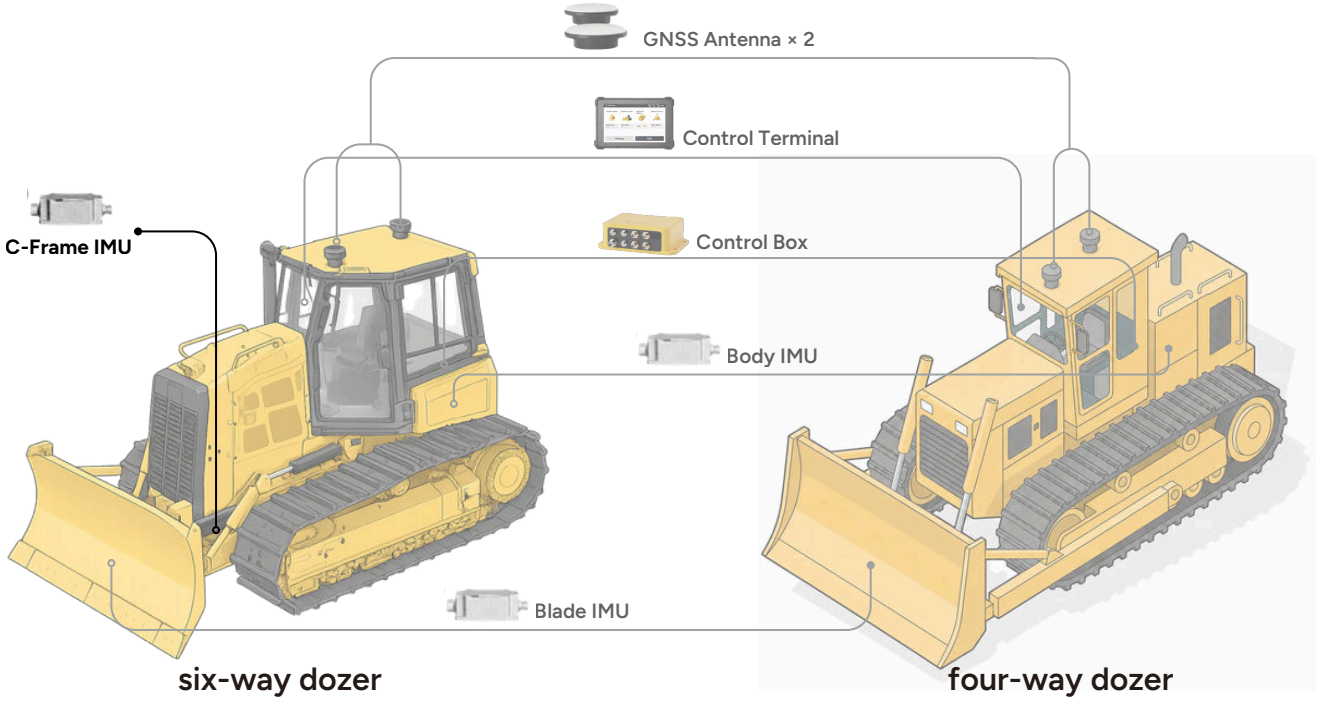






Mastless precision for dozers

The DC100 CAN bus Solution supports both dual-mast and mastless configurations, delivering simplified installation, fewer components, and precise blade control for demanding terrain and tough job sites.



Specifications

Sensor Module

GNSS Antenna

Passive Antenna Characteristics	Frequency Range: Multi-constellation,
	Full-band GNSS;
	Gain: ≥ 5.5 dBi
	Polarization: RHCP (Right-Hand
	Circular Polarization)
	Horizontal Coverage: 360°
Environmental & Mechanical Characteristics	Operating Temperature: -45 °C to + 85 °C
	Storage Temperature: -55 °C to + 85 °C
	Humidity: Up to 95% (non-condensing)

IMU

Resolution	<0.01°
Operating Voltage	DC 9-36 V
Output Frequency	Up to 100 Hz
Operating Temperature	-40 °C to + 85 °C
Ingress Protection	IP67 waterproof and dustproof

Base Module

Central Display

Dimensions	284×189×22.5 mm
Screen	10.1" LED Touchscreen
Processor	8-core 2.2 GHz 8GB
Memory IP	RAM+128GB ROM
Rating	IP68

Control Box

Dimensions	200 × 155 × 63 mm
Communication	Wi-Fi/Bluetooth/Ethernet
Power Supply	DC 9–36 V
Status Indicators	Power/GNSS/Radio/Wi-Fi /Bluetooth
Environmental Conditions	Operating Temperature: -40 °C to + 60 °C
	Storage Temperature: -40 °C to + 85 °C
Ingress Protection	IP67 waterproof and dustproof

Build on Precision, From Vision to Reality

FJDTrion

Free Quote: sales@fjdtrion.com

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