



Iridium® Solutions for Agribusiness

Iridium mobile satellite solutions allow farmers, ranchers, and other agribusiness professionals to establish quick and reliable voice and data connections in areas with limited or no terrestrial coverage. Whether you require connectivity for autonomous farm equipment, planting, harvesting, ranching, irrigation, storage or worker safety, Iridium offers on-the-move solutions for real-time asset management, location-tracking, and voice communications.

Agribusiness Industry Support:



Autonomous Control: Maintain connectivity to autonomous vehicles, either as primary link or augmentation to cellular networks for out-of-coverage operations.



Remote Sensor Connectivity: Monitor field, livestock, weather, and silo conditions 24/7 regardless of weather or location on the ranch.



Telematics: Proactively monitor field equipment to understand its performance, conduct preventive maintenance, or send alarms for immediate repair, reducing downtime.



Worker Safety: Allow workers in the field to stay in touch through personal satellite tracking devices, phones or hotspots.

Iridium Network Advantages:



Truly Global Coverage: The Iridium network is comprised of 66 cross-linked satellites with multiple overlapping spot beams to deliver reliable and redundant communication anywhere in the world.



Mobility: Iridium's solutions are optimized for beyond line of sight, on-the-move communications, making them ideal for large agribusiness operations.



Blockage Resiliency: Multiple satellites in view can reduce the blockage of the satellite signal, and moving satellites mean terrain blockages can resolve within minutes.






Reliable & Cost-effective Products & Services: Iridium works with a global network of Value-Added Manufacturers to ensure its solutions are dependable, rapidly deployable and cost effective.



L-Band Connectivity: Iridium provides weather resiliency even in the face of adverse meteorological activity.

Iridium Agribusiness Solutions

	Iridium Edge® Solar	Blue Sky Network SkyLink 5100 (IoT)	Thales MissionLINK™ 200
Products			
Iridium® Service	Short Burst Data®	Iridium Certus® 100	Iridium Certus® 200
Operating Speed	Up to 2.4 Kbps	Up to 88 Kbps	Up to 176 Kbps
Dimensions (H x W x D) / (Dia x H)	164.2 x 71.2 x 32.9 mm	203 x 127 x 32 mm	158 x 305 x 229 mm / 125 x 140 mm
Weight	~ 470 g	730 g	<700 g
Power	Solar Powered	10 – 34 VDC	Directly Powered by the Terminal at 24 VDC
IP Rating	IP68	IP65	IP67
Operating Temperature	-40 to +85° C	-40 to +70° C	-40 to +55° C
Mechanical Vibration & Shock	<ul style="list-style-type: none"> • MIL-STD-810G: 516.7 to 300Gpk • MIL-STD-810G: 514.7, IEC60068-2-80 to 7.5Grms Random (5Hz-2000Hz) 	—	MIL-STD-810G w/Change 1 <ul style="list-style-type: none"> • Test Method 514.7 • Category 4” • MIL-STD-1275D
Connectors	BLE	<ul style="list-style-type: none"> • (1) Cellular SMA Female Connector • (1) Iridium SMA Female Connector • (2) M12 Connectors (1 Ethernet & Power, 1 USB & RS232) 	Front: <ul style="list-style-type: none"> • RJ-45 LAN (3) Class 2 PoE • RJ-45 WAN (1) for Cellular, VSAT & Other IP Connections • RJ-14 POTS (2 Independent Phone Lines) Rear: <ul style="list-style-type: none"> • DC Power Input (10–32V) (+12V Regulated) • GPIO (RS-232, +12V Out, Emergency, Radio Gateway, Discrete I/O) • TNC: RF Connection to Antenna • Wi-Fi: Reverse SMA, SIM Card Slot

Key Features

Iridium Edge Solar (Short Burst Data®):

- Wireless Sensor Integration, Over-the-Air Configuration & Reporting

Iridium Certus® 100 (22 Kbps Up/ 88 Kbps Down):

- Up to Two Simultaneous High-Quality Voice Lines
- Real-Time Asset Control, SCADA Transfer & GPS Position Tracking

Iridium Certus® 200 (176 Kbps Up / Down):

- Up to Three Simultaneous High-Quality Voice Lines
- Built-in Radio over IP Gateway Bridging Satellite & Terrestrial Networks
- Easy Interoperability with Terrestrial Solutions along with Built-in Preferred Routing Switch
- Truly Global Satellite Coverage & Low Latency for Critical Data & Voice Communications

To learn more about Iridium's
Agribusiness Solutions:



Interested? Email us:

- Iridium Edge Solar: sales@iridium.com
- Thales MissionLINK 200: satcomsolutions@thalesdsi.com
- Blue Sky Network SkyLink 5100 (IoT): sales@blueskynetwork.com