

SKYLINK 7100



**SKYLINK 7100
DELIVERS
CONTINUOUS
CONNECTIVITY FOR
UAS OPERATIONS**

APPLICATIONS

- › Agriculture
- › Emergency services
- › Environmental monitoring
- › Government & defense
- › Infrastructure monitoring
- › Payload delivery
- › Public safety
- › Scientific exploration
- › UAM

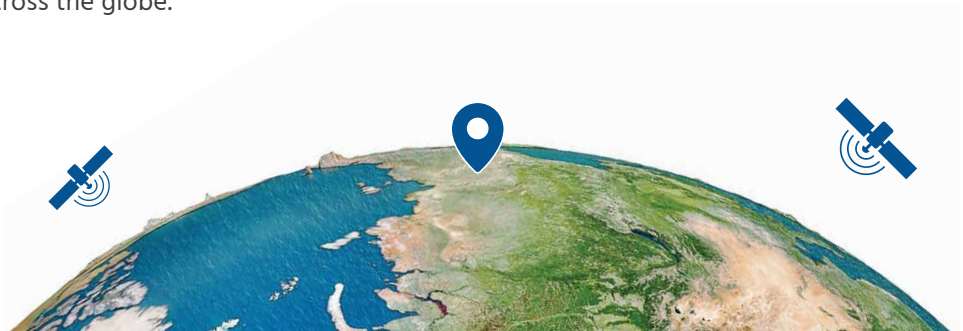
CAPABILITIES

- › BVLOS communications
- › Command and control
- › Communications backhaul
- › GNSS positioning
- › LIDAR compatibility
- › Remote ID
- › Remote monitoring
- › Surveillance compatibility
- › Telematics

UAV IP DATALINK SOLUTION

SkyLink 7100 by Blue Sky Network delivers next generation, global satellite connectivity to support autonomous communications and data monitoring beyond visual line of sight (BVLOS). The compact and versatile communications terminal is powered by the Iridium Certus® specialty broadband service, enabling enterprise-grade IP throughput from a constellation of 66 cross-linked satellites for truly global connectivity.

As a certified Iridium Connected® solution, SkyLink 7100 is a mid-band transceiver designed for complete operational efficiency, safety, and continuity coverage. Its slim design allows for easy integration and installation on UAVs to stream low latency data from onboard sensors, transfer photos, and utilize real-time command and control. With SkyLink 7100, achieve total connectivity for all assets, in every location, across the globe.





SKYLINK 7100 DATA GATEWAY



ANTENNA OPTIONS



Single Channel Antenna
Iridium only



Dual Channel Antenna
Iridium + GPS
(coming soon)

SkyLink 7100 Data Gateway can integrate with existing UAV LTE antennas or pair with COTS MIMO antennas.



SPECIFICATIONS

PHYSICAL*

- Size (SkyLink 7100 Gateway): 5 x 8 x 1.25 in / 1.6 lb (127 x 203 x 32 mm / .73 kg)
- Single Channel Antenna: 3.5 x 1.2 in / 0.5 lb (8.9 x 3 cm / .23 kg)
- Dual Channel Antenna: 3 x 7.85 x 1.25 in / 1 lb (7.6 x 20 x 3.18 cm / .45 kg)
- Operational temperature: -40°C - +70°C
- Input voltage: 10 – 34VDC
- Power consumption: 18W peak power, 7W nominal
- DO160G
- IP65 compliant
- Frequency: 1616 MHz – 1626.5 MHz

* Physical specifications subject to change

CONNECTIVITY

- Iridium Certus 100 services – 88 Kbps DL / 22 Kbps UL
- Cellular LTE CAT 6: 300 Mbps DL / 50 Mbps UL
- Least-cost routing
- Ethernet, USB, RS232
- GNSS positioning/tracking
- Application hosting
- Remote device management
- Diagnostics and health monitoring
- Data analytics and edge computing
- Integration with SkyRouter™ fleet management

ABOUT BLUE SKY NETWORK

Blue Sky Network offers innovative satellite solutions for worldwide voice, data, and fleet operations. Our pioneering platform, SkyRouter™, is an exclusive, customizable cloud-based portal for dual-mode tracking, analytics, and communications for real-time fleet monitoring and performance management. With our SkyRouter and SkyLink services, capture, display, disseminate, and port data from every asset in the field to the command center with uninterrupted global coverage.

Blue Sky Network is an Iridium Certus service provider and value-added manufacturing partner.

