

Jet ConneX cabin connectivity solutions



The next generation of cabin connectivity has arrived.

Connectivity at the speed of business

Business jet passengers are juggling demanding schedules and projects all while on the go. Whether it's checking the latest stock price on their smart phones, conducting a video conference, or closing a business deal, all this and more can be done in real time while cruising at 35,000 feet with the new Inmarsat Jet ConneX (JX) service.

JX provides operators with the unique ability to access services at the best prices, higher speeds, greater bandwidth and truly global coverage. Connect to JX with your laptop, tablet and smartphone over the aircraft's Wi-Fi system from the moment you step on board, wherever you fly. JX allows you to do all the same things you would in the office. Or if you'd rather kick back and relax, you can download a movie or watch the game live like you're at home.

A trusted partner

As a trusted provider of Inmarsat communications solutions for more than 10 years through ARINCDirectSM flight support services, and backed by our trusted support team and value added applications, Rockwell Collins is best positioned to deliver this new connectivity solution.

Seamless global coverage

You need to be connected wherever you fly. JX offers the most extensive coverage, all provided by a single operator, not a patchwork that's stitched together. So you can fly across time zones with confidence you'll have continuous, consistent service as traffic is routed seamlessly over Inmarsat's next generation of satellites, the Inmarsat-5.

Consistent higher performance

Delivering global high speed broadband in the skies – JX provides speeds far beyond those available today and expands the possibilities for in-flight entertainment to live TV and TV on demand, as well as email and web browsing.

Bandwidth flexibility

It is difficult to predict what types of devices and applications we'll all be using in years to come, so JX will offer upgradeable bandwidth that allows you the agility to adapt to changing requirements and make the most of your capital investment.

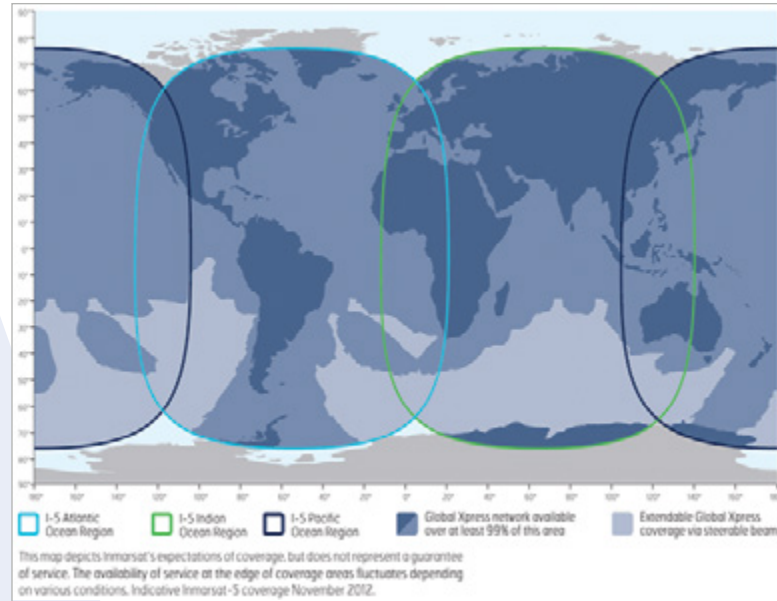
Inmarsat reliability

It's not just about higher performance, but a network you can truly depend on. Quality of service is fundamental, and for over 30 years Inmarsat has been operating the most reliable commercial satellite communications network. For safety services and extra resilience, JX is complemented by SwiftBroadband service on the Inmarsat-4 satellites, delivering 99.9 percent network availability on average.

JX provides high throughput, global coverage and a single, integrated architecture which improves quality of service by significantly reducing the multiple satellite/ground station handoffs.

More affordable

Operating in the Ka-band, the JX network offers more available capacity and is more efficient in its use of bandwidth than other networks. This results in more affordable in-flight connectivity, with simple pricing options that allow you greater control of your budget.



Why Ka from Rockwell Collins' ARINCDirectSM



ARINCDirect customers can receive a discounted price for a complete connectivity package, including:

- Premium flight planning
- International trip services
- ARINCDirect FOS[®] scheduling software



24/7 global technical support



One phone number for technical, customer and billing support

Why Inmarsat Ka satellite service

- › Designed for high bandwidth applications and services
- › Consistent global solution
- › Designed for mobile connectivity
- › Committed Information Rates (CIR)
- › As a common network provider Inmarsat manages all of its networks seamlessly

Value-added products and services

Rockwell Collins' ARINCDirect offers extensive experience, value-based services and solutions to meet all of your cabin communication needs.

ARINCDirectSM Dial

ARINCDirect Dial is a ground-to-air service that provides your aircraft or fleet with a standard local phone number which routes calls dynamically to any handset in the aircraft based on the caller's selection. An international option lets you pick local numbers from hundreds of cities and countries worldwide.

AD Wi-Fi call and text

The AD Wi-Fi call and text app, from Rockwell Collins ARINCDirect, lets you place and receive calls and texts on your personal cell phone, using your own number anywhere in the world. The app utilizes your broadband Inmarsat (i.e. SBB and JX) and ViaSat Mobile Broadband service connection from your aircraft.



ARINCDirect Network Analyzer

The Rockwell Collins' ARINCDirect Network Analyzer app delivers a set of easy to use network troubleshooting and resolution tools to restore onboard connectivity.

Acceleration and compression

With our acceleration and compression, you can add 100–400 percent bandwidth capacity to your cabin network, sending and receiving more data in a shorter period of time. That means lower costs and an improved customer experience.

VoIP services and ADConnect app

The ARINCDirect Connect app provides the savvy corporate traveler with a bridge between their personal smartphone and the various communications technologies present on the aircraft. It allows passengers to call anywhere in the world directly from their smartphone. The ADConnect app is available for the iPhone®/iPod Touch® and Android™-powered smartphones. The app can be downloaded from the Apple iTunes® store and Google Play™ store.

Alerting

Receive automated usage alerts via email, text message and data link based on thresholds you set.

Content filtering

Content filtering gives the operator control over what type of data is used in flight. Websites are filtered and content restricted, including auto-updates and cloud services. Content is blocked by category.



Rockwell Collins Airborne Data Router (ADR)

The Rockwell Collins ADR is the next generation smart router, providing customers an end-to-end cabin connectivity solution. Designed specifically to meet DO-160G and DO-178B standards and requirements, this router enables flight deck and cabin connectivity for IP devices and Electronic Flight Bags (EFB). The ADR helps business aircraft operators save time and money, while improving the overall passenger connectivity experience, by keeping you connected at every flight level.

Our open, smart cabin router allows you to have service provider options. The compact, 2 MCU design provides wired or wireless Ethernet connectivity onboard the aircraft and enables access for multiple LAN clients, as well as WAN connectivity to multiple communications networks such as GSM, Inmarsat SBB, Ka/Ku VSAT, Iridium or other networks.

ADR features

- › Flexible design for use with any service provider
- › Bandwidth allocation options
- › Supports Wi-Fi enabled devices
- › Data compression and acceleration
- › SATCOM routing and network access
- › 3G/4G GSM connectivity to multiple service providers

The ADR provides enhanced features such as data transfer optimization software and includes two channels of Iridium voice and an integrated PBX for telephony and VoIP services. Future versions will maximize both voice and data capabilities by building on existing advanced router features.

The router's Wi-Fi can be configured as a Wireless Access Point (WAP) for onboard user access. It can also be configured as a client to provide connectivity to ground based wireless networks while at the gate. In addition to Wi-Fi connectivity, the router offers 3G/4G GSM cellular service that can be used for Internet access and file transfers when the aircraft is on the ground. The router also supports non flight critical cabin crew, flight deck and aircraft system data communication requirements.

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Trusted support

Rockwell Collins' ARINCDirect provides trusted and superior quality service, backed by our worldwide 24/7 technical support field staff. We provide our customers with upgrade consultation, on-site diagnostics and configuration, network engineering, and ongoing aircraft support to keep you connected.

About Rockwell Collins

Rockwell Collins is a pioneer in the development and deployment of innovative communication and aviation electronic solutions for commercial and government applications. Our comprehensive ARINCDirect suite of flight support services brings together best-in-class flight planning, international trip support, cabin connectivity and flight operations management.

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