ROCKWELL COLLINS SAT-2100/HST-2110

Satellite communications that keep you connected.

Rockwell Collins

Building trust every day

At Rockwell Collins, we recognize that having convenient access to your home or office while on board an airplane is important to you. Using the latest communication links, high-speed broadband data connectivity and airborne local area networks, your global office is ready when you are.
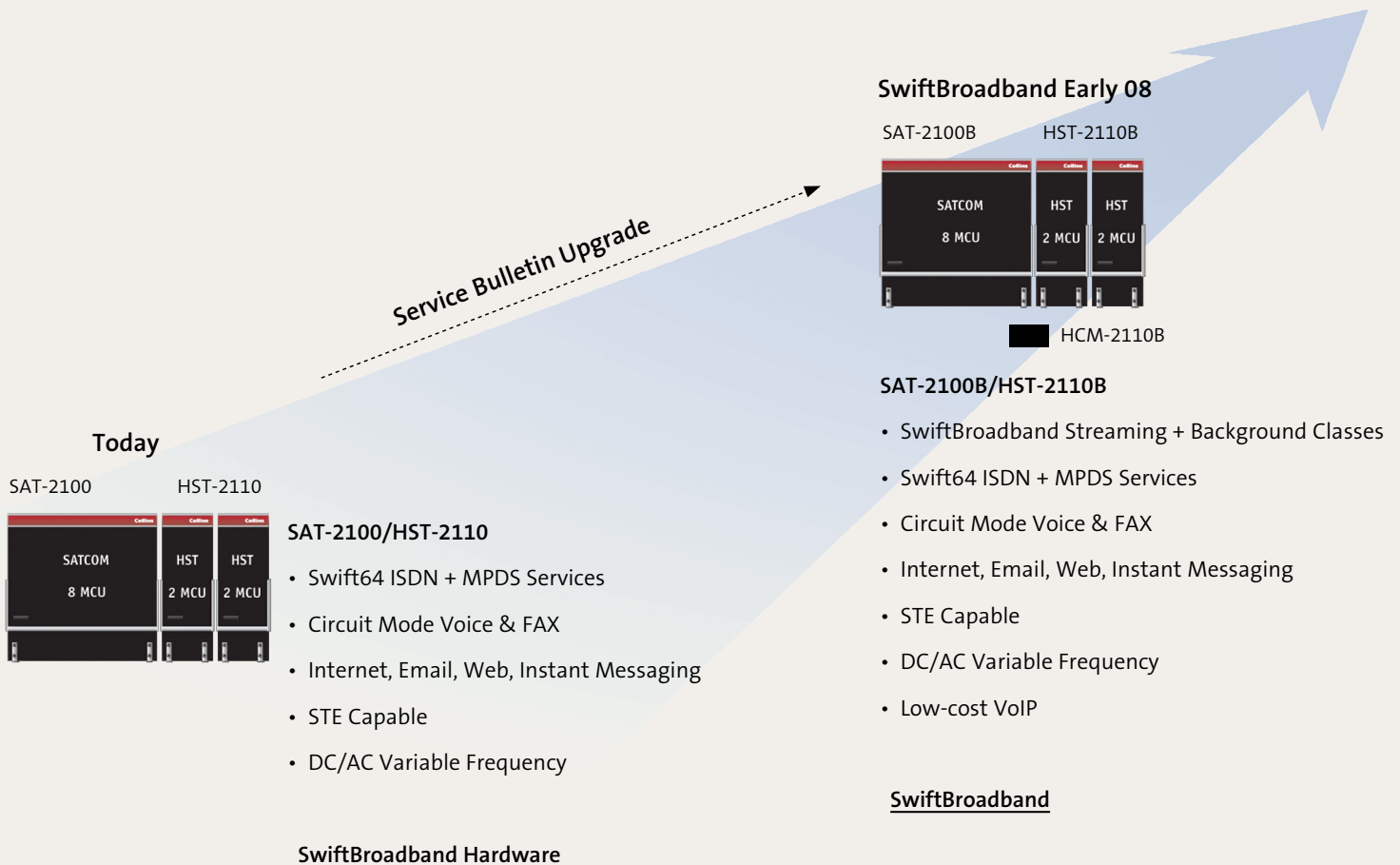
With Rockwell Collins SAT-2100 system, passengers and crew have access to real-time information and the connectivity they've come to expect in their home or office. Small, lightweight, reliable and economical, the Rockwell Collins SAT-2100 system provides multichannel voice, facsimile and data capability within a single 8 MCU package. Rockwell Collins SATCOM is one of the few leading systems that is approved to DO-178B Level D software certification to be used in flight deck applications such as FANS data link.

Utilizing Inmarsat services, SAT-2100 delivers three Aero channels and up to two simultaneous channels of Swift64 or SwiftBroadband connectivity service, enabling advances in airborne connectivity such as Internet and email. The SAT-2100 also offers features that enhance safety and efficiency. Proprietary software monitors and manages the power for all channels, and preempts lower priority channels in favor of higher priority communications from the flight deck, ensuring compliance with ICAO safety services. The software also validates Swift64 and SwiftBroadband frequencies to ensure there is no interference with GPS navigation.

HIGH-SPEED DATA CAPABILITIES FOR YOUR SATCOM

When you pair the SAT-2100 with our HST-2110 high-speed transceiver and appropriate end-use system, you can access text, Instant Messenger, VoIP, cell phones, VPN, secure phone, the Internet and email easily, and download applications while in flight – a task that was impossible with prior systems.

The HST-2110 is a two-MCU unit that is small and lightweight at 8.5 pounds. It supports one Swift64 channel today and will support one SwiftBroadband channel when the service becomes available from Inmarsat. The system will maintain Swift64 capability for use when leaving SwiftBroadband coverage. A software upgrade and the addition of a small high-speed data configuration module will complete the steps necessary for SwiftBroadband service. Additionally, the HST is equipped with Ethernet, ISDN, ISDN over Ethernet and RS-232 interfaces, and can be installed inside or outside the pressure vessel for maximum installation flexibility.

SwiftBroadband Early 08

SAT-2100B   HST-2110B

SATCOM   HST   HST
8 MCU   2 MCU   2 MCU

◼ HCM-2110B

Service Bulletin Upgrade

SAT-2100B/HST-2110B

- SwiftBroadband Streaming + Background Classes
- Swift64 ISDN + MPDS Services
- Circuit Mode Voice & FAX
- Internet, Email, Web, Instant Messaging
- STE Capable
- DC/AC Variable Frequency
- Low-cost VoIP

SwiftBroadband

Today

SAT-2100   HST-2110

SATCOM   HST   HST
8 MCU   2 MCU   2 MCU

SAT-2100/HST-2110

- Swift64 ISDN + MPDS Services
- Circuit Mode Voice & FAX
- Internet, Email, Web, Instant Messaging
- STE Capable
- DC/AC Variable Frequency

SwiftBroadband Hardware

FEATURES AND BENEFITS

- › Three Aero H, H+ or I channels
- › Up to two simultaneous Swift64 channels for ISDN and MPDS services and/or up to two SwiftBroadband channels compatible to the latest streaming and background IP data rates
- › Four integral DTMF analog ports and multichannel digital telephone bus
- › Euro ISDN, Ethernet, ISDN over Ethernet, RS-232
- › ICAO "Safety Services" compliant for ATC communications
- › Onboard data loadable
- › DC and AC variable frequency input power
- › STE secure communications capable
- › Compatible with ARINC 741/761/781 antennas
- › Compatible with Data 2 (ACARS) and Data 3 (ATN/ISO 8208) protocols
- › Interfaces with ARINC 739 MCDUs

APPLICATIONS (WITH APPROPRIATE END-USE SYSTEMS)

- › Graphical weather information
- › Engine monitoring and fault reporting
- › Electronic Flight Bag
- › In-flight entertainment updates
- › Fax, email and instant messaging
- › Corporate web access
- › Video/stills/audio data transfers
- › Telephony

SPECIFICATIONS

	SAT-2100	HST-2110
Weight	13.2 kg (29 lbs)	3.85 kg (8.5 lbs)
Height	200 mm (7.87 in) maximum	194.6 mm (7.66 in) maximum
Width	260.87 mm (10.27 in) maximum	61.2 mm (2.41 in) maximum
Length	321 mm (12.64 in) maximum	387.6 mm (15.26 in) maximum
Cooling	Forced air 50 kg/hr at 40°C max	Forced air optional
Mounting	8 MCU	2 MCU
Temperature	-40°C to +70°C	-40°C to +70°C
Altitude	55,000 ft	55,000 ft
Power	115 AC 324-800 Hz (395 W maximum) or 28 VDC (430 VA maximum)	115 AC 324-800 Hz (34 W maximum) or 28 VDC (growth option)
DO-178B	Level D	Level E

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

With our acquisition of ARINC, Rockwell Collins now can provide a full suite of connectivity services. To learn more, please contact: GLOBALink@arinc.com or 1.800.633.6882 or 1.703.637.6360.

MAKE THE MOST OF YOUR AVIONIC SYSTEMS BY INCLUDING ROCKWELL COLLINS ARINC GLOBALINK℠ FLIGHT SERVICES.

- › Shorter aircraft turnaround times
- › More accurate reporting of aircraft movements
- › Maximum crew utilization
- › More efficient flight dispatching
- › Faster security clearance for flight crews
- › Reduced engine maintenance costs
- › Faster response to flight delays and diversions

Learn how our innovative flight services can increase your operating efficiency, start to finish.

www.rockwellcollins.com/arinc/globalink

Building trust every day.

Rockwell Collins delivers smart communication and aviation electronics solutions to customers worldwide. Backed by a global network of service and support, we stand committed to putting technology and practical innovation to work for you whenever and wherever you need us. In this way, working together, we build trust. Every day.

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