

# MCS-7200 SATCOM



**Honeywell**

# MCS-7200 Overview

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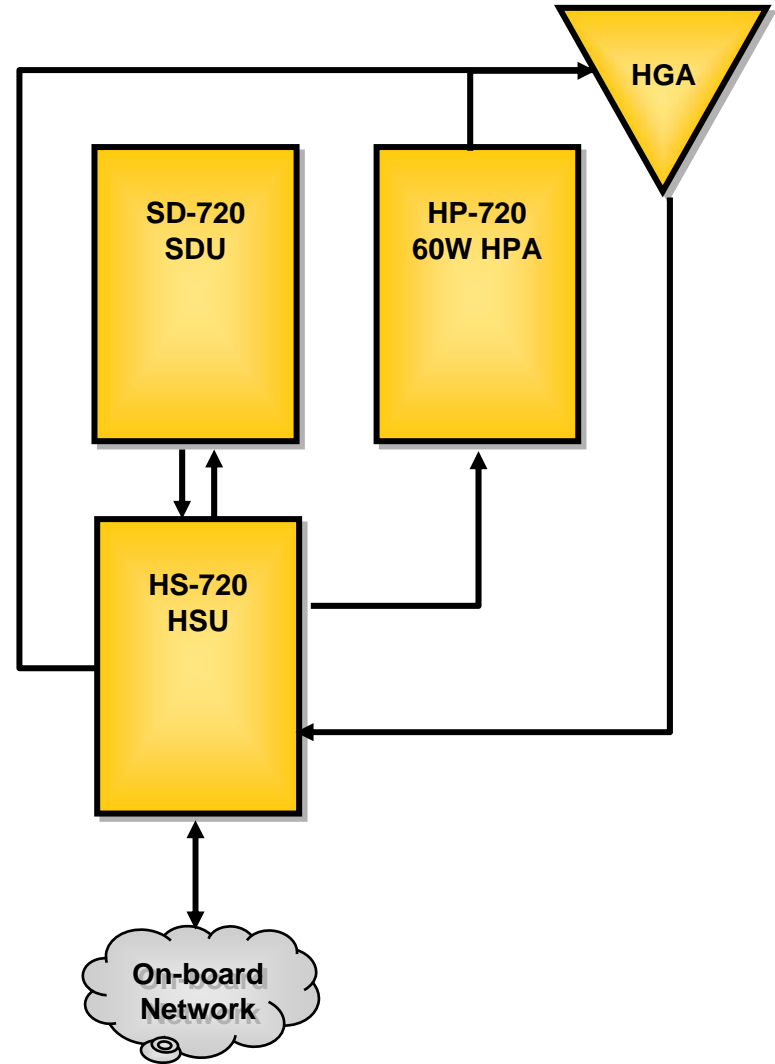
- **ARINC 741 compliant**
  - 3 LRU's: SDU, HPA, HSDU
- **Seven (or four\*) Classic Aero channels Provided by SDU**
  - **Safety Services capable**
  - **Six (three\*) voice and one data (600/1200/10,500 bps)**
- **60 Watt linear HPA power output**
- **HSDU (HS-720) provides high speed data**



**\*MCS-4200**

# MCS-7200 with SwiftBroadband

- SD-720 SDU
- HP-720 HPA
- HS-720 HSU
  - Swift64 and SwiftBroadband Services
    - ◆ 4 Swift64 channels -or-
    - ◆ 2 SwiftBroadband channels
    - ◆ Level “D” software (SDU, HPA)
    - ◆ Level “E” software (HSU)



# MCS-7200 Status

- **MCS-7200 certified**

- **Certified at Airbus, including only system certified on new A380 aircraft**
  - ◆ Certified with S64
  - ◆ Software upgrade to SBB; R/L units at Airbus for testing
  - ◆ Majority of Honeywell SBB development to be completed this year
  - ◆ Airbus targeting later 2009 for final certification of SBB
  
- **Basic configuration certified at Boeing**
  - ◆ S64 activation planned for this summer
  - ◆ Honeywell / Boeing Agreement for SBB upgrade (S/W) in place, cert aircraft not yet established



# MCS-7100 Series SATCOM



**HD-710**

**Honeywell**

- **HD-710 provides new family of SATCOM Systems**



**HD-710**

- **Provides**

- ◆ Upgrade for any existing MCS system to Swift64 / SwiftBroadband
- ◆ As a Stand-alone system supporting Classic Aero / Swift64 / SwiftBroadband interfaces

- **MCS-7100 Series made up of 3 Systems:**

- ◆ MCS-7163 (MCS-6000/3000 Swift 64 / SwiftBroadband Upgrade)
- ◆ MCS-7147 (MCS-4000/7000 Swift 64 / SwiftBroadband Upgrade)
- ◆ MCS-7120 (Stand-Alone Classic Aero and Swift 64 / SwiftBroadband)

# MCS-7120 The Stand-alone Solution

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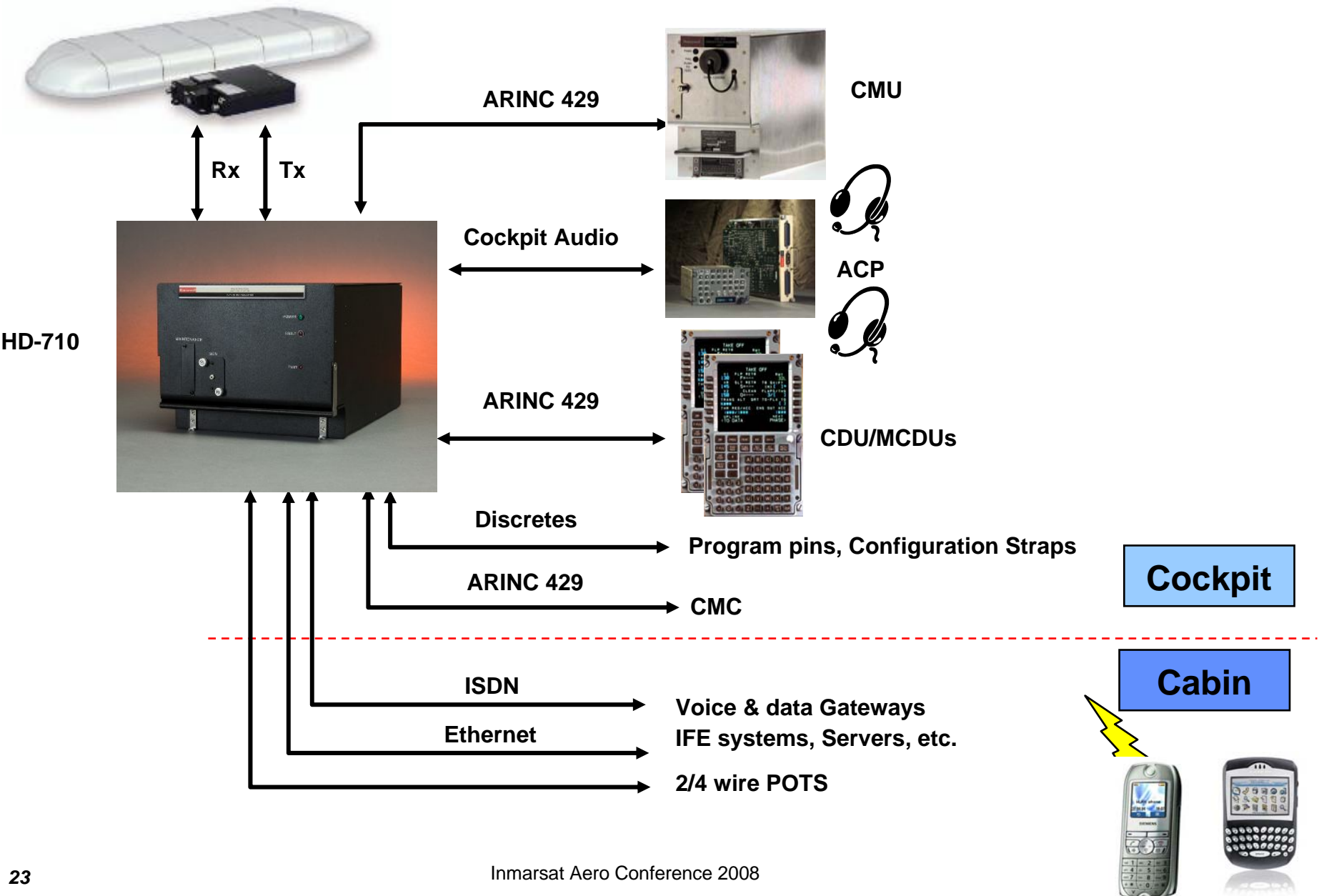
- **Stand-alone, forward-fit 8 MCU solution**
- **Integrated SDU, HPA and HSDU**
  - Level “D” certified SDU, HPA
  - Includes Special Interface to support Honeywell Primus Epic A/C
  - 60 Watt linear HPA power output
- **Typical Configuration**
  - 1 Classic Aero Voice, 1 Classic Aero Data, 2 Swift64 or 1 SwiftBroadband



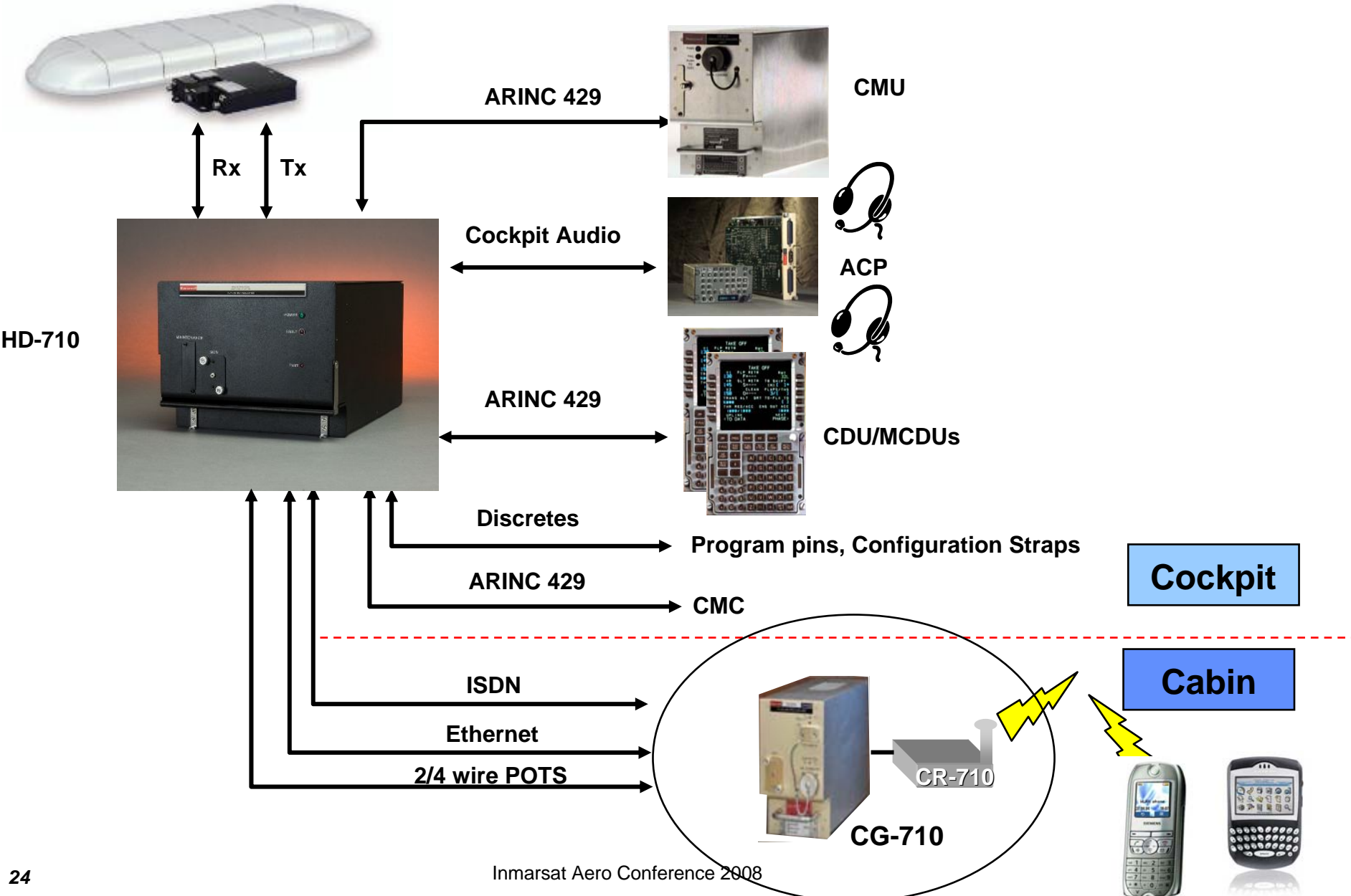
HD-710

***Single Unit which provided High-speed Services and retains safety services & Epic I/O***

# Typical MCS-7120 Architecture



# Typical MCS-7120 Architecture



# MCS-7163 and 7147

- **HD-710 provides easy upgrade to Honeywell MCS-3000 thru 7000 systems**
  - Upgrade for several thousand units in the field
  - Upgrades MCS-6000/3000 to MCS-7163
  - Upgrades MCS-4000/7000 to MCS-7147
- **How: Replaces 8 MCU HP-600 with the 8 MCU HD-710**
  - Very few wiring changes required
- **Retains existing SDU functionality while adding Swift64/SwiftBroadband**
  - **Classic Aero – No change, maintains multiple channels**
    - ◆ Safety Services capable
  - **High Speed Data with HD-710 HPA/HSU**
    - ◆ Level “D” Certified
    - ◆ Two channels of Swift64 -or-
    - ◆ Two channels of SwiftBroadband
- **60 Watt linear HPA power output**



**Simple retrofit  
upgrade of  
SwiftBroadband –  
HPA swap**

# MCS-7100 Series

Honeywell

- **HD-710 available today for Swift64 operation !**
  - Multiple STCs available
- **Focus on completing SBB upgrade**
  - Software upgrade to Swift64 systems
  - Will be completed and certified this year.
  - Upgrade:
    - ◆ Technical News Letter (TNL) -> Field Service Bulletin (FSB)
      - Driving to support flexibility: On wing or send unit in for upgrade
- **Addresses Commercial air transport and Business jet aircraft**



**HD-710**