

# Standard GX Aviation Installation Kits



## INTRODUCTION

Carlisle Interconnect Technologies is pleased to offer turnkey integration kits for the VIP and small fleet operator in support of the Honeywell JetWave GX Aviation SATCOM system MCS-8000/MCS-8200. These packages are ideal for VIP installations where customized engineering is expensive and unnecessary. Harnesses come partially terminated using Mil-spec and CarlisleIT databus wiring. Coaxial cabling for the IF portions come in a variety of pre-terminated and tested lengths with matched attenuators and equalizers. MODMAN trays, cockpit control panels, circuit breaker installation kits, and a general purpose termination diagram are also included in the package, when ordering a complete system or a la carte. CarlisleIT's engineering team is available to answer questions and provide guidance on selecting the perfect combination of components for your specific application.

## FEATURES

### Master Collector Kits

- » Master Kit, GXA - Boeing
- » Boeing circuit breakers
- » No backlight and brown or grey color scheme
- » Master Kit, GXA – Airbus
- » Airbus circuit breakers
- » Backlit cockpit illumination & color schemes

### Standard Interior Cabling

- » MODMAN and APM Harness
- » KANDU Harness
- » IF Coax Cables
- » GXA Installation Wire Kit
- » Bulkhead Connector Kit
- » Circuit Breaker Installation Kit (Airbus or Boeing options)
- » Termination Wiring Diagram

### Standard Interior Cabling Features

- » Identified with WGXA9xxx wire number scheme
- » IF Coax Cables offered in discrete lengths, fully terminated and factory tested
- » All harnesses pre-terminated at one end

### MODMAN Tray Kit Options

- » MODMAN Tray Kit Options
  - Airbus & Boeing Mounting Options
- » Fan Cooled 4 MCU Trays
  - Left, Bottom, and Right Side fan configurations

## IF COAX CABLES

IF coaxial cables come optimized for loss and pre-terminated at discrete lengths. Matched attenuators and equalizers are required to provide the correct line loss for IF TX and RX performance with the MODMAN. Custom lengths are available upon request. Contact Carlisle engineering to confirm the right cables for your application.

P/N	Description	Application Notes
500-328959-101	IF Coax Kit, 20 feet	Two (2) at 8 feet - MODMAN to Attenuator & Equalizer
		Two (2) at 20 feet - Attenuator & Equalizer to KRFU (or IF Bulkhead)
500-328959-102	IF Coax Kit, 50 feet	Two (2) at 8 feet - MODMAN to Attenuator & Equalizer
		Two (2) at 50 feet - Attenuator & Equalizer to (or IF Bulkhead)
500-328959-103	IF Coax Kit, 75 feet	Two (2) at 8 feet - MODMAN to Attenuator & Equalizer
		Two (2) at 75 feet - Attenuator & Equalizer to (or IF Bulkhead)
500-328959-104	IF Coax Kit, 100 feet	Two (2) at 8 feet - MODMAN to Attenuator & Equalizer
		Two (2) at 100 feet - Attenuator & Equalizer to (or IF Bulkhead)

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## INTERIOR MASTER KITS

Master kits include all of the wiring required for interconnect of GX Aviation equipment inside the aircraft. This includes circuit breaker kits, MODMAN, APM, and KANDU interface harnesses, aircraft discrete hookups, control panel interface harness, software loading interface at the MODMAN, and wiring to the fuselage penetration below the antenna. IF coax cabling is listed separately later in this guide.

Master Collector Kits	
P/N	Description
120-326848-101	Master Kit, GX SATCOM, Boeing Brown Cockpit
120-326848-102	Master Kit, GX SATCOM, Boeing Grey Cockpit
120-326848-103	Master Kit, GX SATCOM, Airbus Cockpit

## COCKPIT SWITCH PANELS

Standard switch panels for the SATCOM system match the cockpit philosophies and color schemes for Boeing and Airbus aircraft. Switch logic is based on an STC approved configuration. Customization available upon request.



P/N	Description	Application
200-350127-101	Cockpit Switch Panel, Boeing Brown	Boeing aircraft with Brown cockpits
200-350127-102	Cockpit Switch Panel, Boeing Grey	Boeing aircraft with Grey cockpits
200-367868-101	Cockpit Switch Panel, Blue Grey	Airbus aircraft

## MODMAN TRAY

The MODMAN trays are available in three different fan configurations and two standard shelf mount options. Additional custom options are available upon request. Contact CarlisleIT engineering to confirm the right tray for your application. MODMAN trays come with integrated software loading ports. Fan-cooled tray kits come with mounting rails and hardware matched to the tray.

Drawing	Tray Only P/N	Tray and Mounting Kit P/N	Description	Application
	6307-101	120-360892-103	Tray Kit, 4 MCU, Fan Cooled, Left Side	Aircraft with 115V 400Hz power available
	6049-105	120-360892-102	Tray Kit, 4 MCU, Fan Cooled, Right Side	Aircraft with 115V 400Hz power available
	200-35313-101	120-360892-101	Tray Kit, 4 MCU, Fan Cooled, Bottom	Aircraft with 115V 400Hz power available
	200-472051-101	120-360892-104	Tray, 4 MCU	Airbus aircraft with available cooled shelf
	6-04S1C1C0	120-360892-105	Tray, 4 MCU	Boeing aircraft with available cooled shelf

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