

CIA112F8

Installation Computer Interface with Two Inputs for Steel City AFM-8 Floor Box



The CIA112F8 is a high performance computer interface for video and stereo audio signals. The unit is compatible with a wide variety of analog video signals including VGA, SVGA, XGA, SXGA, UXGA, MAC, SUN and other high resolution workstations. The CIA112F8 is a special version of the CIA112 interface specifically designed to mount in a Steel City AFM-8 floor box. *The AFM-8 floor box is not included and must be ordered separately.*

Two Input Switcher - Users may select Input 1 or Input 2 using a front panel input selector. In autoswitch mode, the interface senses which input has an active signal and automatically switches to that input. If both inputs are active, Input 2 has priority. Input 1 or 2 may also be selected remotely via contact closure. The CIA112F8 also provides stereo audio-follow-video switching, routing the selected audio input to the audio output connector.

Remote Switching Control - The CIA112F8 includes a switching control port on the back panel that provides remote control of input selection using a control system, switch or other device capable of creating latching contact closures. The remote port also includes a status pin that provides feedback to a control system to indicate the currently selected input.

Modular A/V Connector Plate - In addition to its interface capability, the CIA112F8 also acts as a modular A/V connector plate. The CIA112F8 modular faceplate accepts up to five A/V connector modules to create a custom A/V connector plate optimized each installation. Over 75 different audio, video, phone, data, and control modules are available to meet virtually any signal connection requirement. The CIA112F8 simplifies the design and installation process since a single unit fills the function of both video / audio interface and A/V connector plate.

Ultra High Resolution Amplification - The CIA112F8 offers 400 MHz video bandwidth to ensure superb performance and maximum image clarity at virtually any resolution and refresh rate.

Standard VGA Connectors - Featuring 15-Pin HD female connectors for inputs and local monitor outputs, the CIA112F8 connects directly to PC, MAC and SGI graphics ports and local monitors that have 15-Pin HD connectors using standard VGA cables (no proprietary input cables required). High resolution coaxial cables such as the Inline IN8000 Series Flexible VGA cables and IN8200 Series Flexible VGA & Stereo Audio cables are recommended for optimal



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FEATURES

- 400 MHz Video Bandwidth
- Two Inputs with 3 Switching Modes: Manual Switch, Autoswitch, Remote Switch via Contact Closure
- Interface Mounts in a Steel City™ AFM-8 Floor Box
- Built-In Video Hum Suppression
- Adjustable Peaking Control
- Audio Buffering - Converts Unbalanced Audio Signals to Balanced Audio
- Flexible Output Sync Format: RGBHV, RGbS or RGsB
- Soft-Touch Rocker Button for Horizontal Position Control
- Easy One-Button Monitor Emulation
- Modular Faceplate Accepts up to Five Audio / Video Connector Modules
- Fully Enclosed Circuit Boards for Enhanced Reliability

SPECIFICATIONS

INPUTS:

Video Connectors:	(2) 15-pin HD female - standard VGA pin-outs
RGB Signals:	Analog video, 1.5 Vp-p max.
Sync Signals:	TTL
Horizontal Sync Range:	30 - 130 KHz
Stereo Audio Connectors:	(2) 3.5mm Mini Stereo
Stereo Audio Signals:	Unbalanced Stereo Audio Impedance: 10 Kohm

OUTPUTS:

Local Monitor (Buffered):	(2) 15-pin HD female - standard VGA pin-outs
Main Output:	5 female BNC on 6" Pigtails; RGBHV / RGbS / RGsB
Audio Output Connector:	5-Pin Captive Screw Terminal
Audio Output Signal:	Balanced or Unbalanced Stereo Audio; Impedance: 50 ohm

A/V CONNECTOR MODULES:

Faceplate accepts up to (4) A/V Connector Modules.
A/V modules are not included and must be ordered separately

GENERAL:

Power Supply:	IN9213 / IN9222 - 9VDC; 1.5A Power Supply (included)
Power Connector:	2-Pin Captive Screw Terminal
Remote Switch Connector:	3-Pin Captive Screw - Latching Contact Closures
Input / Output Cables:	See List on Reverse
Shipping Weight:	2.4 lbs. / 1.1 Kg
Dimensions - Faceplate:	Product Weight: 0.7 lbs. / 0.32 Kg
Dimensions - Back Enclosure:	4.5" x 9.35" x 1.6" / 11.4 cm x 23.8 cm x 4.0 cm
Regulatory Approvals:	2.83" x 3.14" x 1.35" / 7.19 x 7.98 x 3.43 cm
	UL1950, CAN/CSA-22.2 No.950, Third Edition
	CE: EN55022 (1987), EN50081-1 (1991),
	EN50082-1 (1992 and 1994), EN0950-92

performance. Input / output adapter cables are also available in a variety of lengths for older Macintosh computers (15-Pin D), SUN (13W3) and workstations (4 or 5 BNC).

Stereo Audio Signal Balancing - The CIA112F8 includes audio buffering circuitry that accepts unbalanced stereo audio signals applied to the 3.5mm audio input connectors and converts them to balanced audio. The balanced audio output signal provides optimal performance for long audio cable runs and helps reject hum, noise and other audio signal interference. The audio output may also be set for unbalanced operation if desired.

Video Hum Suppression - The CIA112F8 includes video hum suppression circuitry specifically designed to reduce or eliminate the visible effects of ground loops that are caused when two devices in the display system are connected to power sources with different grounding potentials.

Sharpness Control - The sharpness / peaking control (located on the back side of the interface) optimizes image quality, detail and sharpness by providing a variable high frequency boost that compensates for the high frequency losses that normally occur in lengthy cable runs. A/V installers can fine-tune the peaking control to select the exact amount of peaking required to compensate for different cable grades and cable lengths.

Advanced Sync Processing - All CIA100 Series interfaces feature advanced sync processing circuitry for enhanced compatibility with a variety of computers, laptops and data display devices.

Selectable Output Sync Format - The unit can be set for RGBHV, RGBS or RGSB output sync as required by the data display device and signal distribution system. The CIA112F8 does not strip sync off of the Green signal (i.e. RGSB input signals appear at the output as RGSB).

User Controls - The CIA112F8 provides enhanced ease-of-use for the end user by placing only the basic controls on the faceplate while hiding more advanced controls on the back of the interface. CIA100 Series interfaces feature an intuitive, soft-touch rocker switch for **horizontal position control**. Simply touch the button on the left or right side in order to move the image in the desired direction. In some cases a desktop or laptop computer needs to sense that a monitor is attached in order to make the video port active. The **monitor emulation button** simulates the connection of a local monitor so that the video port is configured properly in those applications where no local monitor is used.

Advanced Controls - Located on the back of the interface, the advanced controls are generally set once at the time of installation by the installation technician. These controls are the **Sharpness / Peaking control** and the **dip switches**. Dip switches are available for setting the output sync format, horizontal control enable / disable, default monitor emulation state at power on, and autoswitch enable / disable.

Installation Flexibility - One or two CIA112F8 interfaces can be mounted in a Steel City AFM-8 floor box. The CIA112F8 circuit boards are fully enclosed to protect the interface during installation and operation.

ACCESSORIES INCLUDED

IN9213 / IN9222	9VDC, 1.5A Power Supply
IN9334	3/32" Allen Wrench for CIA112F8 Connector Module Set Screws
IN9339	Adjustment Tool with Technician's Blade
IN9368TB	Triple Size Blank Plate - Black
IN9367TB	Double Size Blank Plate - Black

ACCESSORIES FOR CIA100 SERIES INTERFACES

Input / Output Adapter and Extension Cables

		VGA	VGA+Stereo Audio	MAC	SUN (13W3)	5-BNC / RGBHV	4-BNC / RGBS
Input Cables	6' Long	IN8006M	IN8206M	IN9140M	IN9142M	IN9047	IN9100M
	12' Long	IN8012M	IN8212M		IN9045		
	25' Long	IN8025M	IN8225M	IN9144M	IN9146M	IN9045-L25	
Local Monitor	3' Long	N/A		IN9141	IN9143		
	6' Long	IN8006			IN9047		
	12' Long	IN8012			IN9045		
	25' Long	IN8025		IN9145	IN9147	IN9045-L25	

Power & Installation Accessories

IN9210	Rack Mountable Power Supply - 3.0 Amp Max.
IN8500	Power Cable: 18 gauge, 2-conductor power cable, bulk. Note: When extending power distances of 50 feet or more use an 18 gauge (or thicker) power cable. Thinner cables may cause problems.
IN9159	Steel City AFM-8 Floor Box, Grey Trim

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