

# CIA111

Architectural Interface with MAAP Opening for Two-Gang Wall Box



Shown with Optional MAAPs

## FEATURES

- Input: RGB video on female 15-pin HD connector; audio on 3.5 mm stereo jack
- Output: RGB video on female 5-BNC pigtail; audio on captive screw connector
- Compatible with VGA-UXGA, Mac, Sun®, and SGI® signals
- 250 MHz (-3 dB) RGB video bandwidth
- Active PC audio to balanced audio interfacing
- Variable peaking
- Available in black or white
- Horizontal shift control
- Video hum suppression, differential input
- One-button monitor emulation
- Auto power on/off
- Buffered female 15-pin HD local monitor output
- Opening for four MAAP - Mini Architectural Adapter Plates
- Installs in two-gang wall box
- Optional cable guard handles protect input connectors and attached cables from shearing or damage
- External universal power supply included

## DESCRIPTION

The Extron **CIA111** is an analog computer-video interface that features a female 15-pin input with audio and a buffered local monitor output. It is compatible with a wide variety of analog video signals, including VGA-UXGA, Mac, Sun®, SGI®, and other computer-video signals. The CIA111 mounts in a standard two-gang outlet box, and is available in black or white. It also features a beveled faceplate with low-profile connectors and controls.

In addition to its interface capability, the CIA111 also includes an opening to accommodate up to four MAAP - Mini Architectural Adapter Plates. There are over 100 MAAP models available to meet virtually any signal connection requirement. Custom engraving services are available to label each connector as required.

The CIA111 also features cable guard handles that extend from the faceplate to protect the input connectors and attached cables from shearing or damage. For installations requiring an extremely low profile unit, the CIA111 can be ordered in the low profile version without cable guard handles.

MODEL	VERSION DESCRIPTION	PAGE	PART #
CIA111	Black - With Cable Guards .....		60-596-12
CIA111	White - With Cable Guards .....		60-596-13
CIA111	Black - No Cable Guard .....		60-596-22
CIA111	White - No Cable Guard .....		60-596-23
REQUIRED ACCESSORY	MODEL DESCRIPTION	PAGE	PART #
VGA-A M-M MD/6	15-pin HD Male to Male - 6' (1.8 m) .....	page 60	26-490-02
Mac 15-HD	Mac Adapter Kit with Audio .....	page 60	70-156-01
13W3 - 15HD	13W3 Adapter Kit with Audio .....	page 60	70-157-03
OPTIONAL ACCESSORIES	MODEL DESCRIPTION	PAGE	PART #
MAAPs	Mini Architectural Adapter Plates .....	page 194	assorted

Continued →

CIA111

**SPECIFICATIONS**

**VIDEO**

Gain ..... Unity  
 Bandwidth ..... 250 MHz (-3 dB)

**VIDEO INPUT AND LOOP-THROUGH**

Number / Signal type ..... 1 VGA-UXGA, Mac, Sun RGBHV, RGBS, RGsB  
 1 buffered local monitor loop-through identical to the input

NOTE: Sync is not stripped from green. RGsB input signals are output as RGsB.

Connectors ..... 2 female 15-pin HD  
 Nominal level ..... 0.7 Vp-p for RGB  
 Minimum / Maximum levels ..... Analog: 0.3 V to 1.5 Vp-p with no offset at unity gain  
 Impedance ..... 75 ohms  
 Horizontal frequency ..... 30 kHz to 130 kHz  
 Vertical frequency ..... 30 Hz to 120 Hz  
 Return loss ..... <-50 dB @ 5 MHz

**VIDEO OUTPUT**

Number / Signal type ..... 1 RGBHV, RGBS, RGsB  
 Connectors ..... 5 BNC female on 4" (10.2 cm) pigtails  
 Nominal level ..... 0.7 Vp-p for RGB  
 Minimum / Maximum levels ..... Analog: 0.3 V to 1.5 Vp-p  
 Impedance ..... 75 ohms  
 Return loss ..... <-50 dB @ 5 MHz

**SYNC**

Input type ..... RGBHV, RGBS, RGsB  
 Output type ..... RGBHV, RGBS, RGsB  
 Input level ..... 2.0 V to 5.0 Vp-p  
 Output level ..... TTL: 5.0 Vp-p, unterminated  
 Input impedance ..... 510 ohms  
 Output impedance ..... 75 ohms  
 Max. propagation delay ..... 1.2 µs  
 Polarity ..... Positive or negative (follows input)

**AUDIO**

Gain ..... Unbalanced output: 0 dB; balanced output: +6 dB  
 Frequency response ..... 20 Hz to 20 kHz, ±0.4 dB  
 THD + Noise ..... 0.03% @ 1 kHz at nominal level, 0.1% @ 20 kHz at maximum output  
 S/N ..... >75 dB at maximum output  
 Stereo channel separation ..... >-113 dB @ 1 kHz to 20 kHz

**AUDIO INPUT**

Number / Signal type ..... 1 stereo, unbalanced  
 Connectors ..... (1) 3.5 mm mini stereo jack  
 Impedance ..... >10k ohms unbalanced  
 Nominal level ..... -10 dBV (316 mV)  
 Maximum level ..... +8.1 dBu, (balanced or unbalanced) at 1%THD+N  
 NOTE: 0 dBu = 0.775 Vrms, 0 dBV = 1 Vrms, 0 dBV = 2 dBu

**AUDIO OUTPUT**

Number / Signal type ..... 1 stereo, balanced/unbalanced  
 Connectors ..... 1 direct insertion captive screw connector, 5 pole  
 Impedance ..... 50 ohms unbalanced, 100 ohms balanced  
 Gain error ..... ±0.09 dB channel to channel  
 Maximum level (Hi-Z) ..... >+15 dBu, balanced or unbalanced at 1%THD+N  
 Maximum level (600 ohm) ..... >+13 dBm, balanced or unbalanced at 1%THD+N

**GENERAL**

External power supply ..... 100 VAC to 240 VAC, 50/60 Hz, external, universal; to 9 VDC, 0.6 A, regulated  
 Power input requirements ..... 9 VDC, 0.5 A  
 Temperature / Humidity ..... Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing  
 Operating: +32 to +122 °F (0 to +50 °C) / 10% to 90%, noncondensing  
 Rack mount ..... No, but wall or furniture mountable  
 Enclosure type ..... Metal  
 Enclosure dimensions  
 Faceplate ..... 4.5" H x 5.0" W x 0.1" D (11.4 cm H x 12.7 cm W x 0.2 cm D) (2 gang)  
 Device ..... 2.8" H x 1.9" W x 1.5" D (7.1 cm H x 4.8 cm W x 3.8 cm D)  
 (Depth excludes connectors.)  
 Product weight ..... 0.7 lbs (0.3 kg)  
 Shipping weight ..... 3 lbs (2 kg)  
 Vibration ..... ISTA 1A in carton (International Safe Transit Association)  
 Listings ..... ETL (UL1950)  
 Compliances ..... CE  
 MTBF ..... 30,000 hours  
 Warranty ..... 3 years parts and labor  
 NOTE: All nominal levels are at ±10%. Specifications are subject to change without notice.

