

# IN3563E 3-In 1-Out VGA Switcher



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The **IN3563E** is an economical VGA switcher offering high performance and easy operation. This unit allows users to select between three VGA video sources, routing the selected source to an attached data display device such as a desktop data monitor, presentation display or data projector.

**Wide Compatibility** - The **IN3563E** switcher offers 300 MHz video bandwidth and is compatible with VGA signals at virtually any resolution and refresh rate. The **IN3563E** features five discrete signal paths per input and is compatible with analog video signals in a variety of formats including RGBHV, RGBS, RGSB, RsGsBs, monochrome high resolution video, as well as NTSC / PAL / SECAM sources in the component, Y/C, or composite video formats.

**15-Pin HD Connectors** - The **IN3563E** has 15-Pin HD female connectors for inputs and output and connects directly to VGA computer graphics cards and VGA data displays using high resolution VGA extension cables such as the **INLINE IN8000 Series**.

**Front Panel Control** - Users select the desired input by pressing a front panel button. Each time a button is pressed, the switcher selects the appropriate input and an LED lights to indicate the currently selected input. All non-selected inputs are terminated into 75 ohms.

**Labelling System** - Two attachment post are provided on the front panel above the input selector buttons to securely hold the **IN9348**, an optional plastic name plate that can be engraved to indicate the name of each input source.

**Remote Control** - The **Remote Port** allows for remote input selection by any device which is capable of providing momentary or latching contact closures. The remote port also includes a +5V power supply and tally outputs to provide feedback to a control system. The **IN3590** is an optional hardwired remote control that connects to the remote port, providing remote channel selection from up to 25' away.

**Stereo Audio-Follow-Video** capability may be added by using an optional **IN3546R** stereo audio switcher in conjunction with the **IN3563E**. The **IN3546R** attaches to the Remote Port, receiving both power and switching commands from the attached VGA switcher.

Two units may be mounted side-by-side in a 1U rack space using the optional **IN9080** rack shelf. A single unit may be rack-mounted using the **IN9080** rack shelf and an **IN9088** half-rack blank panel.

## FEATURES

- Compatible with VGA, SVGA, XGA, XGA2, UXGA and All Other VGA Resolutions
- 15-Pin HD Female Input and Output Connectors
- Remote Control via Contact Closure
- Optional Input Labelling Plate
- 300 MHz Video Bandwidth
- Compact Unit Rack Mounts in 1U Space With Optional Rack Shelf
- Durable Metal Case Enclosure

## SPECIFICATIONS

### INPUTS:

Connectors: (3) 15-Pin HD female  
Compatible Signals: Video: 0.7 Vp-p nom, 1.5 Vp-p max.  
Sync: TTL, 5Vp-p max.  
Non-selected inputs are terminated into 75 ohms

### OUTPUT:

Connector: 15-Pin HD female  
Video: Unity Gain - Output video and sync levels are identical to the input signal

### GENERAL:

Bandwidth: 300 MHz @ -3dB  
Remote Port: 15-Pin D female connector  
Switching Time: 2 mSec typical  
Power Supply: 9VDC; 0.5A external adapter included  
Shipping Weight: 3 lbs. / 1.5 Kg Product Weight: 1 lbs. / 0.45 Kg  
Dimensions: 1.65" x 8.5" x 6" / 4.2cm x 21.6cm x 15.2cm  
Optional Accessories: **IN8000M Series** High Resolution VGA Extension Cables Available in Lengths from 3' to 250' or in Bulk  
**IN3590** Wired Remote, **IN3546R** Stereo Audio Switcher  
Regulatory Approvals: UL1950, CAN/CSA-22.2 No.950, Third Edition  
CE: EN55022 (1987), EN50081-1 (1991), EN50082-1 (1992 and 1994), EN60950-92

## ACCESSORIES INCLUDED

**IN9204** External 9VDC; 0.5A Power Supply  
Operation Manual

## OPTIONAL ACCESSORIES

**IN3546R** 6-Input, 1-Output Stereo Audio Switcher - Adds Stereo Audio-Follow-Video Switching Capability to IN3500 / IN3600 Series Switchers. Includes IN9112 Control / Power Cable which connects between IN3546R and IN3500 / IN3600 Series Remote or I/O Port.

**IN9133** Control / Power Cable for IN3546R with Loop-Through Connector. Allows IN3500 / IN3600 Series switcher to be controlled via contact closures through Remote or I/O port while IN3546R is connected.

**IN3590** Hardwired Remote Control with 25' cable. Connects to Remote or I/O port on IN3500 Series / IN3600 Series switchers and provides remote input selection up to 25' away.

**IN9080** 1U Rack Shelf - Holds (2) IN3563E Units Side-by-Side

**IN9088** 1U Blank Panel - Fills Empty Space When Using IN9080 Rack Shelf with Only One IN3563E

**IN9348** Engravable Plastic Input Labelling Plate - Attaches to Posts on Front of IN3563E / IN3564HR / IN3566HR Switchers

## INPUT / OUTPUT CABLES

**IN8000M Series** High Resolution VGA Cables, 15-Pin HD Male to 15-Pin HD Male,  
Available in a Variety of Lengths from 3' to 250'