RACKMOUNT CONSOLE KVM SWITCH
QUICK INSTALLATION GUIDE
MODELS 521796, 521871, 523561 & 523578

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INTRODUCTION

Thank you for purchasing the INTELLINET NETWORK SOLUTIONS™ Rackmount Console KVM Switch, Model 521796 (15″ LCD, 8-port); Model 521871 (15″ LCD, 16-port); Model 523561 (17″ LCD, 8-port); or Model 523578 (19″ LCD, 8-port).

With a keyboard mouse, LCD panel and KVM switch module housed in an industry-standard 19″ 1U- or 2U-height rack drawer, the console saves you up to a third of the space needed for a rack cabinet. Plus, when the console is cascaded with other KVM switch modules to increase server management capacity, you save even more space.

All KVM switch modules come with a universal CEN36 connector for connection between the console drawer and a KVM switch module. This modularized design offers maximum flexibility, as you can choose and swap the modules to fit your needs. A KVM switch module can also be used as an independent KVM switch.

This quick installation guide shows you how to assemble and position the rackmount console. (For instructions, features and specifications for the switch itself, refer to the separate Rackmount Console KVM Switch user manual.) Follow the steps for quick and easy installation and you'll soon be enjoying these additional popular features:

- Flip-open 15″/17″/19″ LCD panels support resolutions of 1024 x 768 or 1280 x 1024.
- Compatible with rack cabinets with depths of 20″ (50cm) and up (with appropriate rear bracket & extension kit).
- Standard 19″ 1U rack drawer.
- Ergonomic handrest design.
- Locking mechanism locks the drawer when pulled out, pushed in or folded down.
- Full 105-key, low-profile, sturdy keyboard included.
- Ultra-sturdy, tilt-free, two-piece rear bracket and extension design.
- On-screen display (OSD) control and adjustment.

Use the chart below for cross-referencing the different INTELLINET NETWORK SOLUTIONS Rackmount Console KVM Switch models and their various part numbers and specifications.
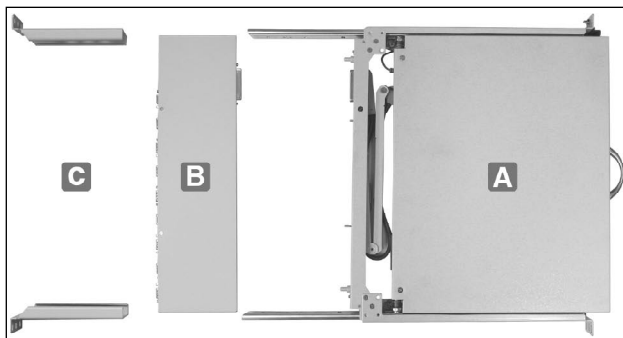
Model No.	Console/ Drawer Part No.	KVM Module Part No.	Rear Brkt. & Ext. Kit Part No.	Console Size	KVM Port Type	KVM Ports	Ht.	Package Contents
521796	Transa PRO 15	IMM108D	REK7	15″	PS/2	8	1U	• Console • Rear brkt. & ext. kit • KVM Switch Module • Power supply • 6′ PS/2 cable
521871	Transa PRO 15	IKM116D	REK7	15″	PS/2	16	2U	
523561	Transa PRO 17	IUM108D	REK7	17″	Combo (USB and/ or PS/2)	8	1U	• Console • Rear brkt. & ext. kit • KVM Switch Module • Power supply • 6′ PS/2 cable • 6′ USB cable
523578	Transa PRO 19	IUM108D	REK7	19″	Combo (USB and/ or PS/2)	8	1U	

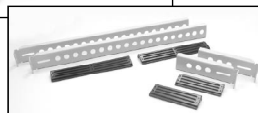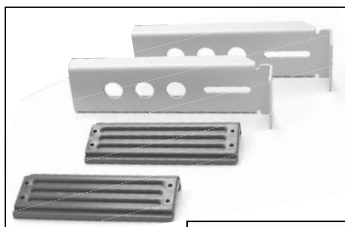INTELLINET
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CONSOLE ASSEMBLY

Parts

Three-Section Console:

A. 1U slide drawer touchpad and LCD monitor.
B. 1U or 2U KVM Switch Module.
C. Rear bracket and extension kit.

Rear Bracket and Extension Kit:

Each Rackmount Console KVM Switch features a rear bracket and extension kit, which includes two pieces of rear brackets and two pieces of extensions. The enclosed kit fits cabinet depths of 67.5 – 80.5 cm (26 $\frac{5}{8}$ – 31 $\frac{5}{8}$"), as measured between the inside of a rack cabinet's front and rear uprights. As shown at right, the brackets and extensions come in different lengths, and will vary depending on the model.

Assembly

1. Choose a proper position for the rack drawer. Mount the rear brackets (from the rear bracket and extension kit), and loosely fasten them onto the rear vertical uprights of the cabinet as shown. Both will be removed later.
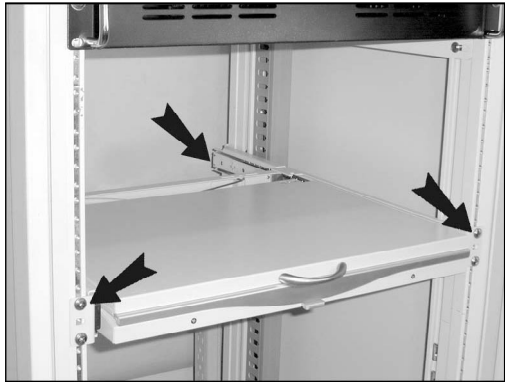
2. Remove the safety stopper from the console drawer. *CAUTION:* The safety stopper is designed to prevent the drawer from sliding out during transportation: Once it's removed, the drawer may slide out when tilted and cause serious injury or damage.
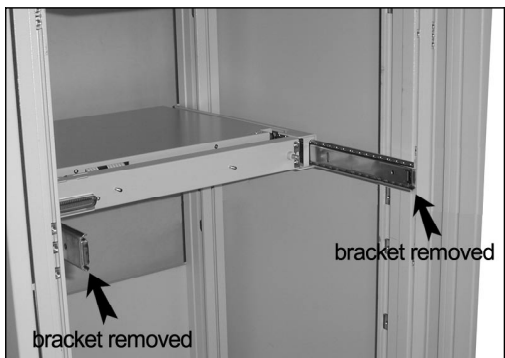

3. Slide the console drawer into the rack cabinet from the front and insert the two slide rails of the console drawer into the sleeves of the rear brackets.
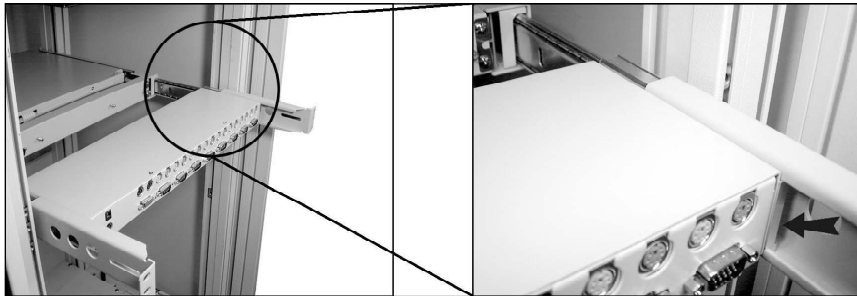

4. Fasten the console drawer to the outside of the front vertical uprights using the four screws provided. The metal brackets (as indicated by the far arrow) support the rear side of the console. *NOTE:* The image at right is a front (console drawer-side) view.

5. Remove both of the rear brackets and slide the console drawer out halfway to balance its weight. At this point, the front brackets hold the console drawer. *NOTE:* The image at right is a rear (KVM switch module-side) view.

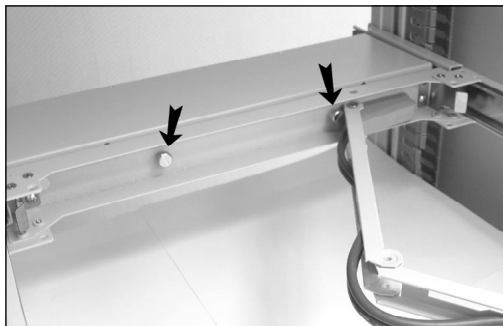bracket removed

bracket removed

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6. Attach the extensions (from the rear bracket and extension kit) to both sides of the KVM switch module. *NOTE:* For a 2U module (Model 521871), the extensions are mounted to the lower half of the module. In the inset at right, you can also see that the wider lip is the top of the plastic extension.
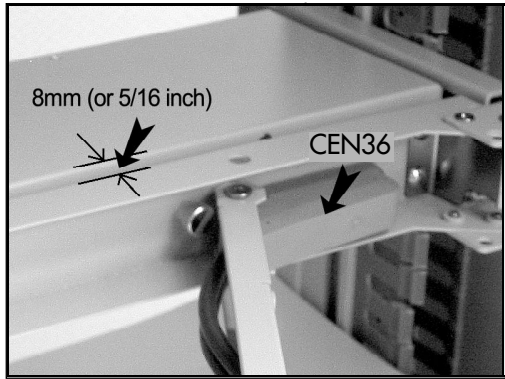

7. The rear brackets, extensions and slide rails need to fit tightly. As shown above-left, slide the rear brackets onto the extensions. Then, as shown above-right, insert both sliding rails of the console drawer into the tight space formed by the rear brackets and the extensions. Holding the KVM switch module on both sides, push it in evenly.

8. Push the rear brackets all the way in and fasten them securely.

9. Slide the console drawer out to gain access to the connecting screws. Push the KVM switch module evenly toward the connector attached to the console drawer and lock both units together by tightening the screws indicated by the arrows.
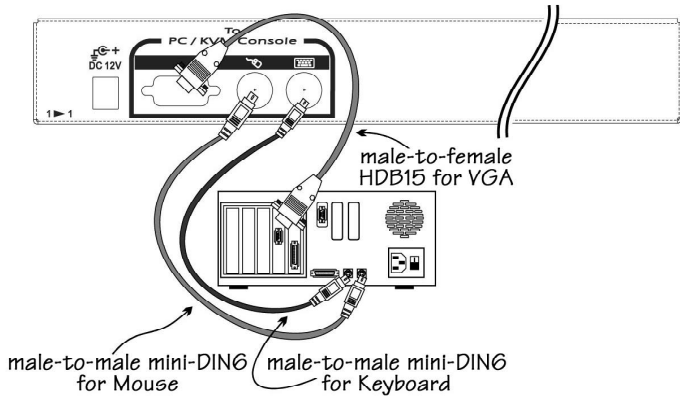
10. Make sure the CEN36 connector is secured firmly, leaving a slight gap as shown in the image at right.

11. Connect the power supply to the power jack on the KVM switch module to complete the installation.
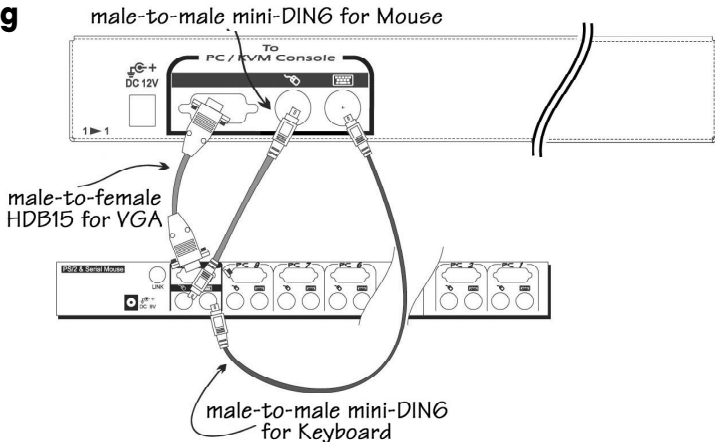

8mm (or 5/16 inch)

CEN36

CONSOLE INSTALLATION

Connecting to a Computer

male-to-female HDB15 for VGA

male-to-male mini-DIN6 for Mouse

male-to-male mini-DIN6 for Keyboard

Connecting to a KVM Switch

male-to-male mini-DIN6 for Mouse

male-to-female HDB15 for VGA

male-to-male mini-DIN6 for Keyboard

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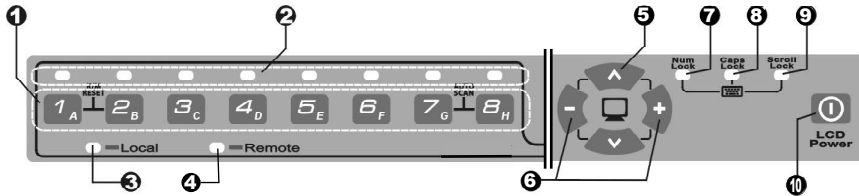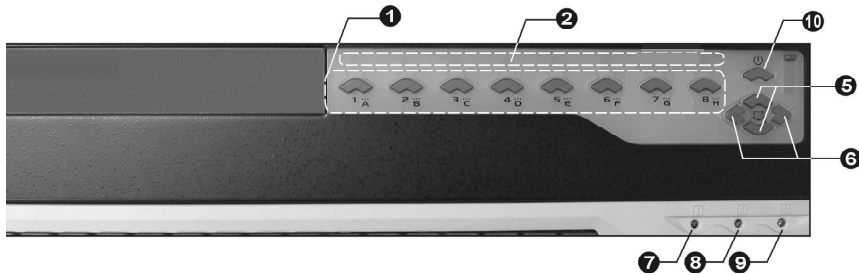
Console Panel

The console panel of the Rackmount Console KVM Switch is located along the top of the keyboard. The image below represents the console panel for Models 521796 and 521871.

The image below represents the console panel for Models 523561 and 523578.

KVM Control and Status Indicators:

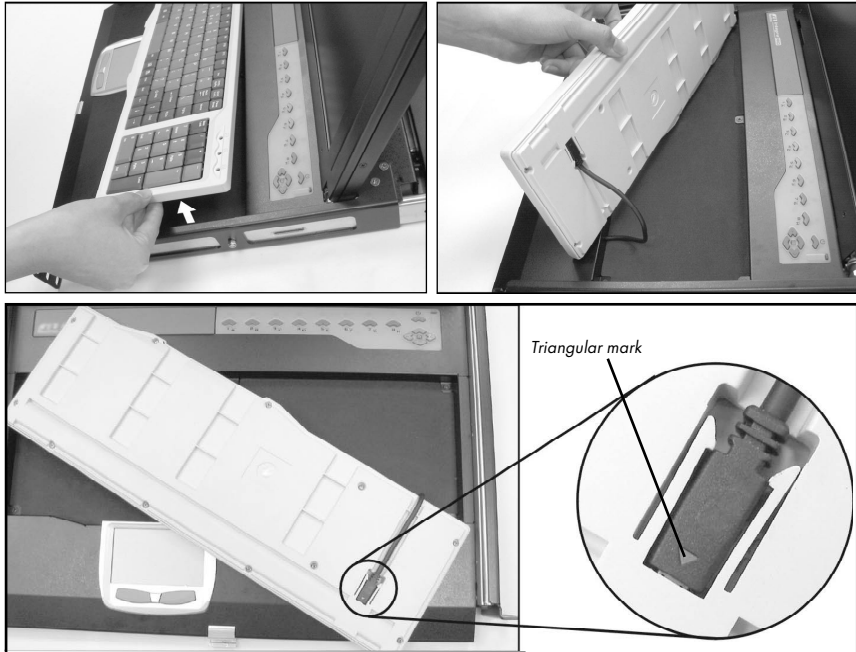*NOTE:* This section is effective only when a KVM switch module is connected.

1. Computer Selection Pad — Press one of these buttons to select a computer. For 16-port Model 521871, "1" – "8" are for the lower row of eight ports and "A" – "H" are for the higher/upper row of eight ports. Port 1 and Port A share the same button: If Port 1 is already selected, tap its button to select Port A. If Port 1 is not selected, press and hold the "1" button on the console panel for two seconds to select Port A.
2. Selected Computer Indicator — An indicator lights red when its corresponding computer is selected.
3. Local Console in Operation — This lights green when a computer is accessed through the console.
4. Remote Console in Operation — This lights green when a computer is accessed by a remote keyboard/mouse/monitor set.

LCD Panel Controls:

5. LCD Panel Menu — These buttons bring up the on-screen display menu of settings for the LCD panel.
6. LCD Panel Adjustment — These let you adjust the settings for the LCD panel.
7–9. Number lock, caps lock and scroll lock indicators, respectively.
10. LCD panel power switch.

Replaceable Keyboard and Touchpad

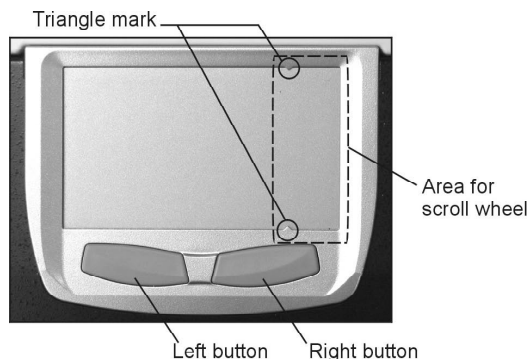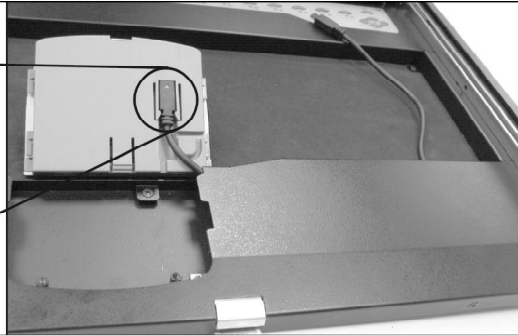*Replaceable Keyboard (Models 523561 and 523578 only):*
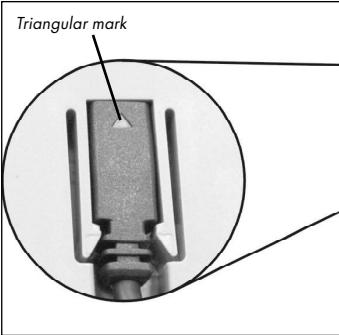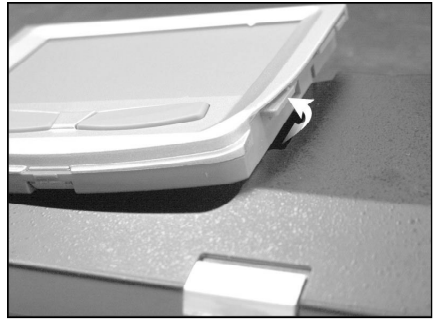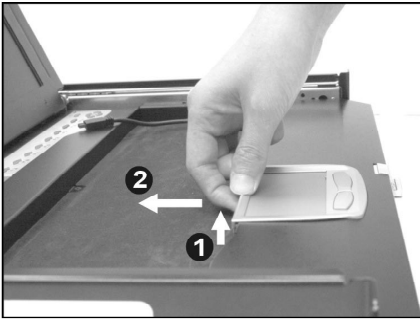

Triangular mark

The keyboard is replaceable for language change or maintenance. Tilt it up, locate the mini-USB cable underneath the keyboard and gently unplug it. While installing a keyboard, make sure that you extend just enough of the cable to keep the keyboard flat inside the tray. *NOTE:* The triangular mark on the mini-USB connector must face out, as shown in the magnified image above.

Replaceable Touchpad (Models 523561 and 523578 only):

The touchpad simulates a wheel mouse. The area of the touchpad to the right side of the two small triangular marks is the simulated "wheel," as shown at right.

To remove the touchpad, press the tab underneath it upward to release the latch, then slide it outward till the touchpad can be lifted up clear of the notches, as shown below. The touchpad is attached by a piece of mini-USB cable.

Triangle mark

Area for scroll wheel

Left button   Right button

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Triangular mark

To install the touchpad, extend just enough of the mini-USB cable and slide the touchpad all the way in till you hear a click as it locks in position. *NOTE:* The triangular mark on the mini-USB connector must face out, as shown in the magnified image.

LCD PANEL SPECIFICATIONS

	15" LCD Panel	17" LCD Panel	19" LCD Panel
• Active display area (mm)	304.1 x 228.1	337.92 x 270.336	376.32 x 301.056
• Pixel pitch (mm)	0.297 (H) x 0.297 (V)	0.264 (per triad) x 0.264	0.294 (H) x 0.294 (V)
• Resolution	1024 x 768 @ 60/70/75 Hz	1280 x 1024 @ 60/70/75 Hz	1280 x 1024 @ 60/70/75 Hz
• Color pixel arrangement	RGB vertical strip	RGB vertical strip	RGB vertical strip
• Display mode	normally white	normally white	normally white
• Brightness (cd/m^2)	250 (center)	260 (center)	250 (center)
• Contrast ratio	350:1	450:1	500:1
• Display color	16.2M (RGB 6-bits + FRC data)	16.2M (RGB 6-bits + FRC data)	16.7M (RGB 8-bits data)
• User control	OSD control (auto-saving)	OSD control (auto-saving)	OSD control (auto-saving)
• Input signal	RGB analog, H/V separate	RGB analog, H/V separate	RGB analog, H/V separate
• Plug and Play VESA	VESA DDC 1/2B	VESA DDC 1/2B	VESA DDC 1/2B
• Power consumption (normal operation/ typical)	33 W max.	37 W max.	40 W max.
• Viewing angle (typical)	-70 – 70 (H; -60 – 60 (V)	-80 – 80 (H; -80 – 80 (V)	-85 – 85 (H; -85 – 85 (V)
• Backlight unit	2 CCFLs edge-light (top/bottom)	4 CCFLs edge-light (top/bottom)	4 CCFLs edge-light (top/bottom)
• Temperature, operating	0–50°C (32–122°F)	0–50°C (32–122°F)	0–50°C (32–122°F)
• Temperature, storage	-20–60°C (-4–140°F)	-20–60°C (-4–140°F)	-20–60°C (-4–140°F)
• Humidity, operating	0–95% relative	8–95% relative	8–95% relative
• Humidity, non-oper.	95% relative	95% relative	95% relative
• Power supply input voltage	Full range, 100–240 V AC	Full range, 100–240 V AC	Full range, 100–240 V AC
• Power supply input frequency	47–63 Hz	47–63 Hz	47–63 Hz

• Approvals: CE, FCC for the product; UL, TUV, CE for the power supply

NOTE: If part of the display is not clear, activate Auto Adjust for the LCD monitor using the four LCD panel control buttons.

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NOTES

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