The Focus of KVM Practical Usage

KVM Convenience Notebook: Page 3
Share USB devices
by making extensive use of a USB hub
built-in a KVM switch!

[Share USB devices by making extensive use of a USB hub built-in a KVM switch!]

Question

My job is to monitor our production lines with installing four FA computers in the factory. I am thinking to disallow operators to use a keyboard and mouse but to allow them to control computers with a touch-screen connected to the PC through USB connection. However, I am concerning one thing that it needs costs and spaces for each units installed in the factory if a touch screen is connected to every FA computer. Do you know any good solutions to implement my plan with reducing costs and spaces. (Mr. A, in Tokyo)

Answer

As Mr. A spoke to, it is surely going to waste spaces and costs if a touch screen is connected to every FA computer.

In this time, what he wants to implement is "to switch controlling signals of touch screens together with those of a keyboard, monitor and mouse."
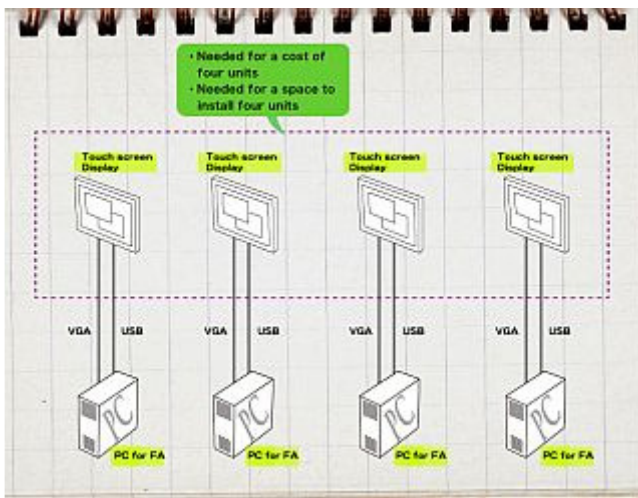
Looking back to old articles, KVM switches allows you to share a keyboard, monitor and mouse. As standards KVM switches are not designed for sharing touch-screens, we cannot simply say any of them can work for it and solve this problem.

When you connect a USB switch for switching USB devices to a KVM switch , you can control touch-screens. But it means you have to switch the KVM switch and then switch the USB switch. This operation methods is duplication and not convenient.

Then, as a method to reduce this time and effort, it is very important to utilize ATEN's KVM switch built-in USB hub , "KVMP switch."
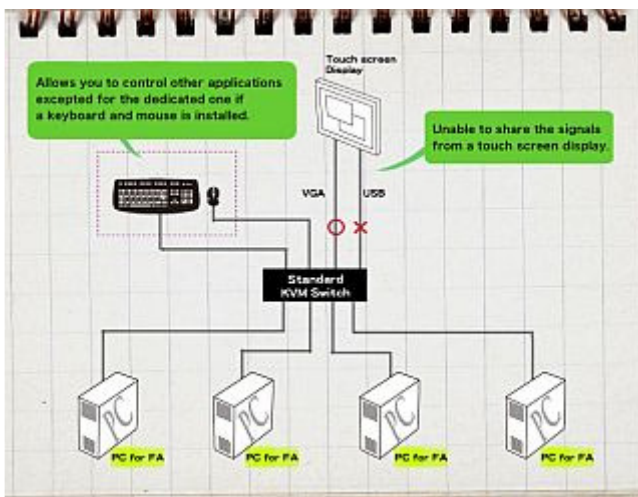
■ Task

1. Costs and Spaces are a bottleneck if a touch screen is connected to each computer.

As it needs costs for the numbers of computers if a touch screen is connected to each FA computer and needs for spaces for them, it is not efficient in terms of costs and spaces.

2. Standard KVM switches cannot share a signal of the touch screen.

A KVM switch allows you to consolidate a monitor with connecting a keyboard and mouse to it, but it cannot share touch screens.

As he does not want to allow operators to do unnecessary operation, he installed touchscreens. However, this methods cannot work without connecting a keyboard, monitor and mouse, and allows them to do operations except for their own job. It does not make sense at all.
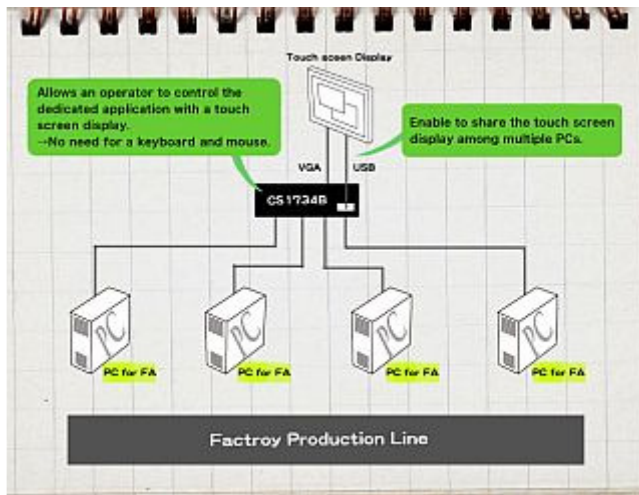
★Solution

Share a KVM & a touch screen with ATEN original KVMP switch built –in USB hub

That's when ATEN's KVMP switch really comes into play. It is ATEN's original KVM switch that can switch KVM (keyboard, monitor and mouse) and USB peripheral devices (P stands for Peripheral).

As this type of product can switch USB devices connected to its USB hub port, it perfectly suits when you need to share USB signals as this time.

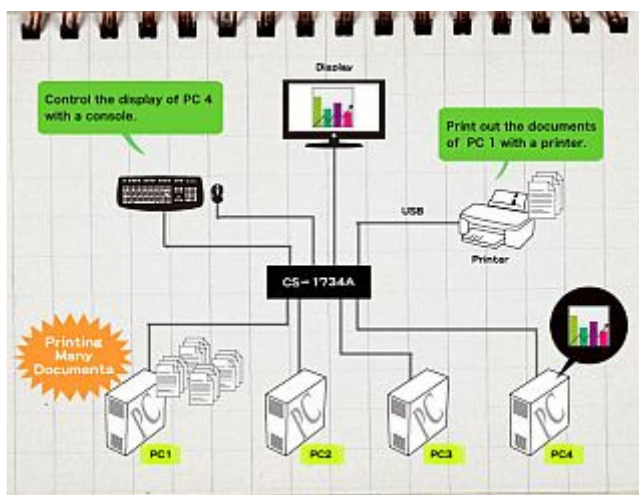(Example) Connect 4-port KVMP switch "CS1734B" to FA computers

For example, if you use "CS1734B" that is a typical model of KVMP switch, you can share a touchscreen among 4 units of computers. Only one touchscreen is needed to use if you connect FA computers to KVM ports (USB + VGA) by cables included this product, a monitor to a VGA port, and touchscreen to a USB hub. You can seamlessly switch them. Once you can connect the touch screen and allows operators to do all operations needed to, you don't have to worry that operators will do unnecessary operations.

This usage can be applied to such situations as bellow;

■ Examples of Applications

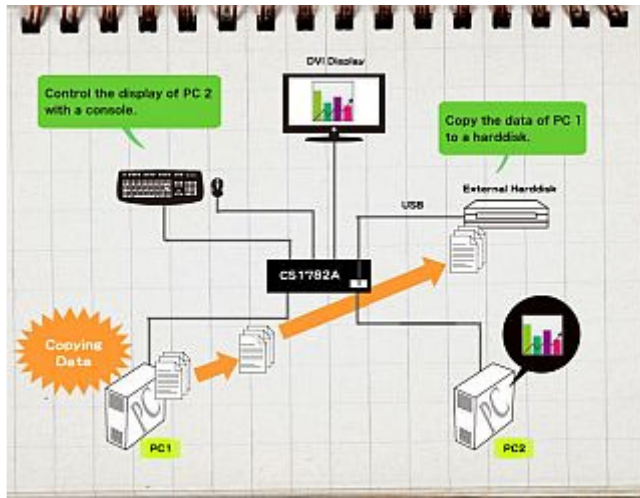**1. Sharing a printer among four units of computers**

[Problem]

I am using four computers and one printer. As this printer is not compatible for network connection, I plug in and out the printer cable in every time I switch computers.

[Installation Effect]

You can share the printer if you connect it to USB hub of 4-port KVMP switch "CS1734A."

It is very efficient because its independent switching feature allows you to operate a computer while printing data of other computer.

2. Sharing data easily with two computers and a USB-connected HDD

[Problem]

As I am handling confidential data, I don't want connect it to a network and cannot use a Network Attached Storage (NAS).

The capacity of a USB memory is not enough and it is troublesome to insert and remove it.

[Installation Effect]

2-port KVMP switch "CS1782A" allows you to share the USB-connected HDD. As it is not through network, its security can be ensured.

By using its independent switching feature, you can control a computer while you are coping data from another computer.

★ Advice from Director

KVMP switch that can share USB devices among computers has two types, one is one-time switching and the other is independent switching. Make an effective use accordance with your application!

KVMP switches that can share USB devices among computers have a lot of convenient features that can satisfy users! You can choose one-time switching KVM (keyboard, monitor and mouse) and USB hub or independent switching them as your preference. In the case of the above application example, independent switching is better, in the case of a example of using a touch screen, one-time switching is better (you can choose it by a time of pushing switch).

Although I didn't introduce it to you in this time, the range of utilizing KVMP switch is unlimited because they support to switch audio independently! If you find unique usage of them, please let me know!