

## CU8810 DVI splitter with four DVI/USB channels

→ Large machines and widely branched applications increase the demand for local information access. The CU8810 DVI/USB splitter with its compact design offers diverse options for connecting multiple displays. Up to four displays with identical resolution showing the same image or two separate images can be connected to a PC.



## Flexible connection to multiple displays

The CU8810 enables users to display the same images or two different images on up to four monitors. While the images are transferred via DVI, the integrated USB ports enable transfer of command signals from touch screens, function keys, keyboards and other USB devices. The CU8810 contains a 2:4 DVI splitter with 4-port USB 1.1

hub and USB Extended ports. With the extended technology, the DVI splitter and each Control Panel can be located up to 50 m apart. The integrated DIN rail adapter facilitates easy installation in control cabinets.

The DVI splitter has two DVI-D inputs and four DVI-D outputs. All

inputs and outputs operate over the full DVI data rate range up to 1.65 Gbit/s. Unused inputs and outputs can be switched off to save energy. The DVI splitter also features a USB 1.1 upstream port and four USB-E downstream ports.

The CU8810 is particularly suitable for the CP69xx and CP79xx "Economy" Panel series, since the USB extension is already integrated into these panels. In conjunction with TwinCAT, this results in a flexible solution for multi-screen applications.

The four DVI outputs on the CU8810 are freely configurable via DIP switches. The following options are available:

#### Version 1

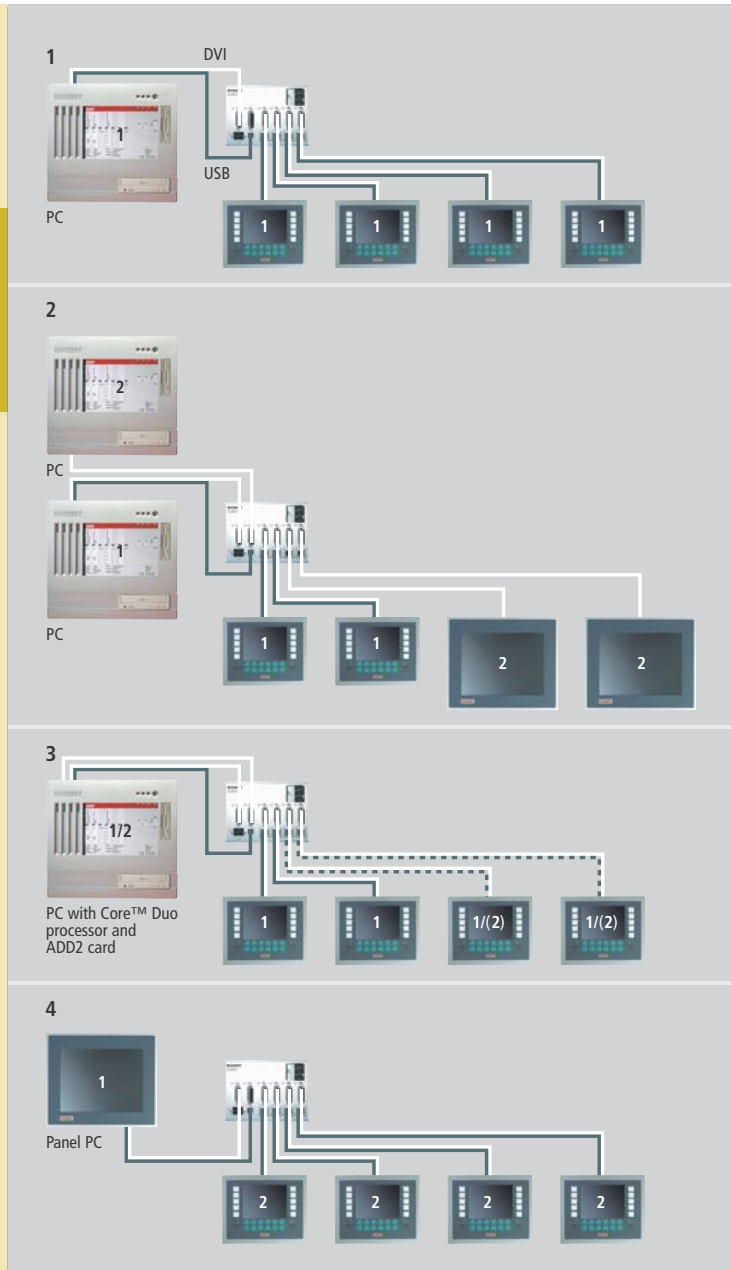
A PC with DVI output transfers an identical display image to up to four Control Panels. Command signals can be transferred to the PC via USB from each Control Panel.

#### Version 2

If two PCs with one DVI output each are used, two different images can be transferred to the Control Panels. The two images may have different screen resolutions.

#### Version 3

The two-PC principle also works using a PC with Core™ Duo technology. If two DVI outputs are used, two different images can be transferred to the Control Panels. The two images may have different screen resolutions. The two-channel C9900-A185 ADD2 card offers a simple option for installing an additional DVI output. The card has two external DVI ports and enables direct connection of two DVI/USB Control Panels to C5102, C6140, C6150, C6240 or C6250 PCs. Via the CU8810, these two DVI outputs can be branched further to up to four Control Panels.



#### Version 4

If a Panel PC with DVI output is used (e.g. "Economy" Panel PC CP62xx), the DVI splitter can be used to transfer an image that differs from the main image on the Panel PC to up to four Control Panels. In this case commands can also be transferred via USB from the individual Control Panels to the Panel PC.