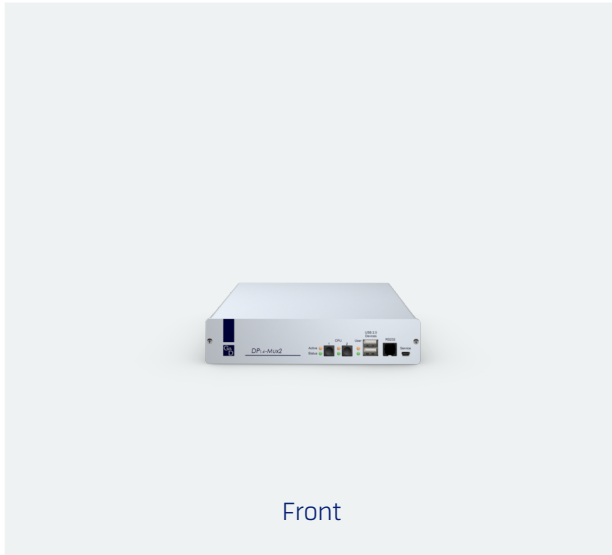
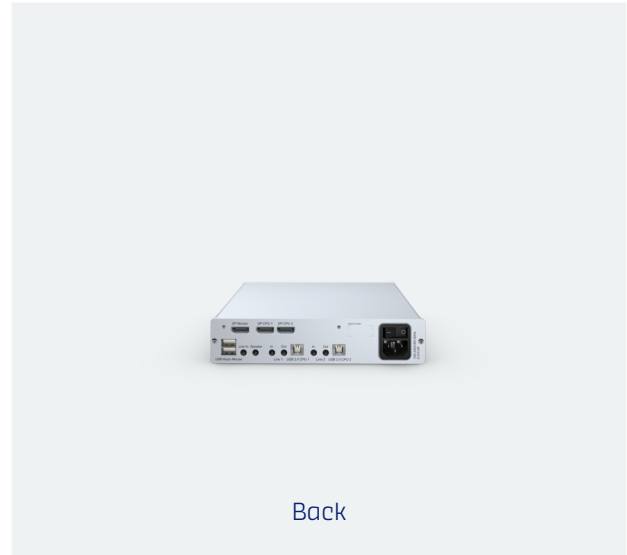


# DP1.4-MUX2-USB

KVM switches, Article number A2100169



Front



Back

The KVM switch DP1.4-MUX2 lets you operate two computers with DisplayPort 1.4 via one workplace. Switching between computers is done either via the push buttons on the front panel, configurable key combinations or a serial device.

## SCOPE OF DELIVERY

| Quantity | Description                    | Article number |
|----------|--------------------------------|----------------|
| 1        | PowerCable-2 Standard cable 2m | A6300057       |

## DETAILS

### VIDEO

- EDID data utilization from the workplace monitor
- Resolution up to  
7680 × 4320 @ 30 Hz,  
5120 × 2880 @ 60 Hz,  
2560 × 1440 @ 144 Hz,  
1920 × 1080 @ 240 Hz
- Resolution up to  
7680 × 4320 @ 30 Hz,  
5120 × 2880 @ 60 Hz,  
2560 × 1440 @ 144 Hz,  
1920 × 1080 @ 240 Hz

### SIGNALS

- Bidirectional audio signals (stereo)
- Embedded stereo audio (DisplayPort Digital, LPCM 2/4/6/8 channels)
- USB 2.0 with full speed, all USB classes

### DEVICE

- Access to standard interfaces of the computer, with no software installation required
- Internal power pack for main power supply
- MultiChannel variants (MC): Modules for multi-monitor workplaces with multi-channel video

### SYSTEM UPDATE

- Flash upgrade via the device

### WARRANTY

- A 3-year, free of charge product guarantee
- For an additional fee guarantee extension/guarantee renewal possible

## FEATURES

### OPERATION FEATURES

- Ready for operation out of the box, no additional configuration required
- Permanent keyboard/mouse emulation ensures a stable system

## EXTENSIONS

### CONTROL OPTIONS

- With the OperatorPanel, you can switch your KVM switch comfortably from your desk by pressing a button. Now you can install the switch anywhere to save space.

## TECHNICAL DATA

|               |                          |                                                                                                                                        |
|---------------|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| General       | Product group            | KVM switches                                                                                                                           |
|               | Number of workstations   | 1                                                                                                                                      |
|               | Number of sources        | 2                                                                                                                                      |
| Input options | USB mouse                | yes                                                                                                                                    |
|               | USB keyboard             | yes                                                                                                                                    |
| Video input   | Number of video channels | 1                                                                                                                                      |
|               | Format                   | DisplayPort 1.4<br>(LBR, HBR, HBR2, HBR3, SingleStream-Transport (SST), MultiStream-Transport (MST), Display Stream Compression (DSC)) |
|               | Colour depth             | 24 bit                                                                                                                                 |
|               | Pixel encoding           | RGB 4:4:4 (24 bpp / 8 bpc)                                                                                                             |
|               | Pixel rate               | ca. 25 MPixel/s to ca. 1080 MPixel/s                                                                                                   |
|               | Vertical frequency       | 20 Hz to 240 Hz                                                                                                                        |
|               | Horizontal frequency     | 25 kHz to 390 kHz                                                                                                                      |

|              |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|--------------|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|              | Exemplary resolutions        | 7680 × 4320 (30 Hz) - 5k<br>5120 × 2880 (60 Hz) - 5k<br>4096 × 2160 (60 Hz) - 4K UHD / 4K2K<br>3840 × 2160 (120 Hz) - 5k<br>3840 × 2160 (60 Hz) - 4K UHD / 4K2K<br>2560 × 1600 (60 Hz) - 2K / WQXGA<br>2560 × 1440 (240 Hz) - 5k<br>2560 × 1440 (144 Hz) - 4K UHD / 4K2K<br>2048 × 2048 (60 Hz) - 2K / WQXGA<br>1920 × 1200 (60 Hz) - Full HD / WUXGA<br>1920 × 1080 (240 Hz) - 4K UHD / 4K2K<br>1920 × 1080 (60 Hz) - Full HD / WUXGA<br>Further VESA and CTA standardised resolutions possible within pixel rate and horizontal/vertical frequency. |
|              | Supported industry standards | Extended Display Identification Data (EDID)<br>Display Data Channel Command Interface (DDC/CI)<br>Display Data Channel (DDC)                                                                                                                                                                                                                                                                                                                                                                                                                          |
|              | Note                         | The supported industry standards cannot be guaranteed for all monitor models.                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Video output | Number of video channels     | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|              | Format                       | DisplayPort 1.4<br>(LBR, HBR, HBR2, HBR3, SingleStream-Transport (SST), MultiStream-Transport (MST), Display Stream Compression (DSC))                                                                                                                                                                                                                                                                                                                                                                                                                |
|              | Colour depth                 | 24 bit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|              | Pixel encoding               | RGB 4:4:4 (24 bpp / 8 bpc)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|              | Pixel rate                   | ca. 25 MPixel/s to ca. 1080 MPixel/s                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|              | Vertical frequency           | 20 Hz to 240 Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|              | Horizontal frequency         | 25 kHz to 390 kHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

|         |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|---------|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|         | Exemplary resolutions        | 7680 × 4320 (30 Hz) - 5k<br>5120 × 2880 (60 Hz) - 5k<br>4096 × 2160 (60 Hz) - 4K UHD / 4K2K<br>3840 × 2160 (120 Hz) - 5k<br>3840 × 2160 (60 Hz) - 4K UHD / 4K2K<br>2560 × 1600 (60 Hz) - 2K / WQXGA<br>2560 × 1440 (240 Hz) - 5k<br>2560 × 1440 (144 Hz) - 4K UHD / 4K2K<br>2048 × 2048 (60 Hz) - 2K / WQXGA<br>1920 × 1200 (60 Hz) - Full HD / WUXGA<br>1920 × 1080 (240 Hz) - 4K UHD / 4K2K<br>1920 × 1080 (60 Hz) - Full HD / WUXGA<br>Further VESA and CTA standardised resolutions possible within pixel rate and horizontal/vertical frequency. |
|         | Supported industry standards | Extended Display Identification Data (EDID)<br>Display Data Channel Command Interface (DDC/CI)<br>Display Data Channel (DDC)                                                                                                                                                                                                                                                                                                                                                                                                                          |
|         | Note                         | The supported industry standards cannot be guaranteed for all monitor models.                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Audio   | Transmission type            | Bidirectional<br>Stereo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|         | Resolutions                  | 24 bit digital                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|         | Sampling rate                | up to 96 kHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|         | Bandwidth                    | 22 kHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|         | Audio support                | Analog                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Audio 2 | Transmission type            | LPCM (2/4/6/8 channels)<br>Stereo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|         | Resolutions                  | 24 bit<br>20 bit<br>16 bit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

|                      |                            |                                                                            |
|----------------------|----------------------------|----------------------------------------------------------------------------|
|                      | Sampling rate              | 32 kHz<br>44,1 kHz<br>48 kHz<br>88,2 kHz<br>96 kHz<br>176,4 kHz<br>192 kHz |
|                      | Audio support              | Digital Embedded                                                           |
| USB                  | Specification              | USB 2.0                                                                    |
|                      | Transmission rate          | 16 Mbit/s (Full Speed)                                                     |
|                      | USB classes                | All                                                                        |
| Maintenance          | Update via                 | Update Wizard (service interface)                                          |
|                      | Serviceport settings       | 115200bps (8/N/1)                                                          |
| Housing              | Material                   | anodised aluminium                                                         |
|                      | Width                      | ca. 210 mm                                                                 |
|                      | Height                     | ca. 44 mm                                                                  |
|                      | Depth                      | ca. 210 mm                                                                 |
|                      | IP protection class        | IP20                                                                       |
|                      | Weight                     | ca. 1.18 kg                                                                |
| Operating conditions | Operating temperature      | 5 °C to 45 °C                                                              |
|                      | Operating air humidity     | 20 % to 80 %, non-condensing                                               |
|                      | Area of application        | Interior                                                                   |
|                      | Maximum operating altitude | 3048m above sea level                                                      |
|                      | Storage temperature        | -20 °C to 55 °C                                                            |

|              |                        |                                                                                                                                                                                                                                                                   |
|--------------|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|              | Storage air humidity   | 15 % to 85 %, non-condensing                                                                                                                                                                                                                                      |
|              | MTBF                   | 200000 h at 25°C                                                                                                                                                                                                                                                  |
|              | Conformities           | CE compliant (see downloads)<br>UKCA compliant (see downloads)<br>FCC compliant (see manual)<br>TAA compliant (see downloads)<br>EAC compliant (see downloads)<br>RoHS compliant (see downloads)<br>WEEE (reg. no. DE30763240)<br>REACH compliant (see downloads) |
| Power supply | Input voltage          | 100-240 VAC                                                                                                                                                                                                                                                       |
|              | Input frequency        | 60-50 Hz                                                                                                                                                                                                                                                          |
|              | Current consumption    | 0.3-0.2 A                                                                                                                                                                                                                                                         |
|              | Power consumption idle | 1.5-1.7 W                                                                                                                                                                                                                                                         |
|              | Power consumption max. | 10.6-11.1 W                                                                                                                                                                                                                                                       |
|              | Heat output idle       | 1.5-1.7 W                                                                                                                                                                                                                                                         |
|              | Heat output max.       | 2.95-3.45 W                                                                                                                                                                                                                                                       |



## MORE VARIANTS

| Description                                                                                                          | Article number |
|----------------------------------------------------------------------------------------------------------------------|----------------|
| <b>DP1.4-MUX2-MC2-USB</b><br>KVM switch to operate 2 computers with 2 DisplayPort1.4 interfaces each via one console | A2100170       |

# CONTACT

## WE ARE HERE FOR YOU!

If you have any further questions, we are looking forward to advising you on your individual project requirements.

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