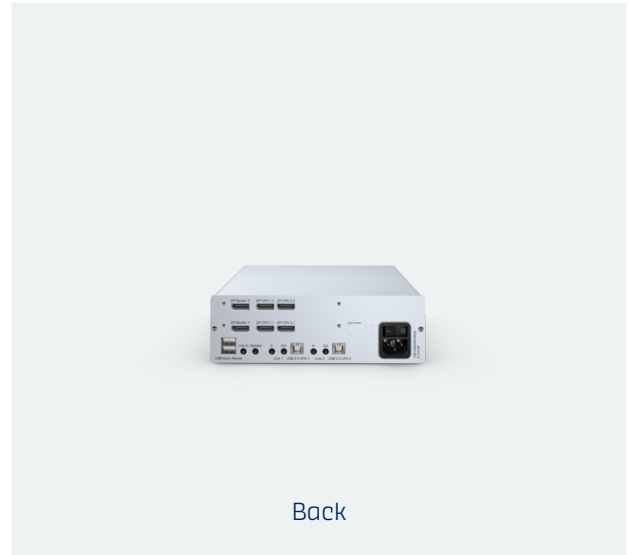


# DP1.4-MUX2-MC2-USB

KVM switches, Article number A2100170



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       |
| 1        | Safety instructions flyer - FCC class B | A9100371       |

## 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
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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 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                                                                                                                        |
|               | Product Family         | DP1.4-MUX                                                                                                                           |
|               | Number of workstations | 1                                                                                                                                   |
|               | Number of sources      | 2                                                                                                                                   |
|               | Power Supply           | no redundancy                                                                                                                       |
| Input options | USB mouse              | yes                                                                                                                                 |
|               | USB keyboard           | yes                                                                                                                                 |
|               | PS/2 mouse             | no                                                                                                                                  |
|               | PS/2 keyboard          | no                                                                                                                                  |
| Video input   | Quantity               | 2                                                                                                                                   |
|               | Format                 | DisplayPort 1.4 (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 1080 MPixel/s                                                                                                        |
|               | Vertical frequency     | 20 Hz to 240 Hz                                                                                                                     |
|               | Horizontal frequency   | 25 kHz to 390 kHz                                                                                                                   |

|              |                              |                                                                                                                                                                                                                                                                                      |
|--------------|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|              | Exemplary resolutions        | 7680 × 4320 (30 Hz)<br>5120 × 2880 (60 Hz)<br>4096 × 2160 (60 Hz)<br>3840 × 2160 (120 Hz)<br>3840 × 2160 (60 Hz)<br>2560 × 1600 (60 Hz)<br>2560 × 1440 (240 Hz)<br>2560 × 1440 (144 Hz)<br>2048 × 2048 (60 Hz)<br>1920 × 1200 (60 Hz)<br>1920 × 1080 (240 Hz)<br>1920 × 1080 (60 Hz) |
|              | General Notes                | 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)                                                                                                                                                         |
| Video output | Quantity                     | 2                                                                                                                                                                                                                                                                                    |
|              | Format                       | DisplayPort 1.4 (LBR, HBR, HBR2, HBR3, SingleStream-Transport (SST), MultiStream-Transport (MST), Display Stream Compression (DSC))                                                                                                                                                  |
|              | Colour depth                 | 24 bit                                                                                                                                                                                                                                                                               |
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|              | Pixel rate ca.               | 25 MPixel/s to 1080 MPixel/s                                                                                                                                                                                                                                                         |
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|              | Horizontal frequency         | 25 kHz to 390 kHz                                                                                                                                                                                                                                                                    |

|         |                              |                                                                                                                                                                                                                                                                                      |
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|         | General Notes                | 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)                                                                                                                                                         |
| Audio 1 | Transmission type            | Bidirectional 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                          | up to 32 kHz<br>up to 44.1 kHz<br>up to 48 kHz<br>up to 88.2 kHz<br>up to 96 kHz<br>up to 176.4 kHz<br>up to 192 kHz |
|                      | Audio support                          | Digital Embedded                                                                                                     |
| USB                  | Separate USB transmission port         | no                                                                                                                   |
|                      | Specification                          | USB 2.0                                                                                                              |
|                      | Transmission rate                      | max. 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.                             | 66 mm                                                                                                                |
|                      | Depth ca.                              | 210 mm                                                                                                               |
|                      | IP protection class                    | IP20                                                                                                                 |
|                      | Weight ca.                             | 1.36 kg                                                                                                              |
| Operating conditions | Operating temperature                  | 5 °C to 45 °C                                                                                                        |
|                      | Operating air humidity, non-condensing | 20 % to 80 %                                                                                                         |
|                      | Area of application                    | Indoor use                                                                                                           |

|              |                                            |                                                                                                                                                                                                                                                                   |
|--------------|--------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|              | Maximum operating altitude above sea level | 3,048 m                                                                                                                                                                                                                                                           |
|              | Storage temperature                        | -20 °C to 55 °C                                                                                                                                                                                                                                                   |
|              | Storage air humidity, non-condensing       | 15 % to 85 %                                                                                                                                                                                                                                                      |
|              | MTBF                                       | 200,000 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 | Quantity                                   | 1                                                                                                                                                                                                                                                                 |
|              | Type                                       | Internal                                                                                                                                                                                                                                                          |
|              | Input voltage                              | 100-240 VAC                                                                                                                                                                                                                                                       |
|              | Input frequency                            | 60-50 Hz                                                                                                                                                                                                                                                          |
|              | Current consumption                        | 0.3-0.2 A                                                                                                                                                                                                                                                         |
|              | Power consumption idle                     | 1.6-1.7 W                                                                                                                                                                                                                                                         |
|              | Power consumption max.                     | 13.1-13.4 W                                                                                                                                                                                                                                                       |
|              | Heat output idle                           | 1.6-1.7 W                                                                                                                                                                                                                                                         |
|              | Heat output max.                           | 3.8-4.1 W                                                                                                                                                                                                                                                         |

## ACCESSORY PRODUCTS

| Image                                                                               | Description                                                                                                                       | Article number |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------|
|    | <b>USB-Service-2 cable 2m</b><br>Cable for system updates and configuration                                                       | A6200103       |
|    | <b>CPU-MC2-DP-U-2 cable connection-DPMux MC2</b><br>Cable set to connect a computer via its DisplayPort, audio and USB interfaces | A6100166       |
|    | <b>PowerCable-3 Standard cable 3m</b><br>Cable to connect the power supply type Germany                                           | A6300066       |
|    | <b>PowerCable-5 Standard cable 5m</b><br>Cable to connect the power supply type Germany                                           | A6300065       |
|    | <b>Audio-M/M-2-ferrite cable 2m</b><br>Audio connection cable with ferrite core                                                   | A6300083       |
|  | <b>Audio-M/M-3-ferrite cable 3m</b><br>Audio connection cable with ferrite core                                                   | A6300118       |
|  | <b>Audio-M/M-5-ferrite cable 5m</b><br>Audio connection cable with ferrite core                                                   | A6300085       |
|  | <b>DP1.4-Cable-M/M-2 SK13357 2m</b><br>Single cable to connect a DisplayPort video channel (DP1.4)                                | A6300173       |
|  | <b>DP1.4-Cable-M/M-3 SK13358 3m</b><br>Single cable to connect a DisplayPort video channel (DP1.4)                                | A6300174       |
|  | <b>DP1.4-Cable-M/M-5 SK13359 5m</b><br>Single cable to connect a DisplayPort video channel (DP1.4)                                | A6300175       |
|  | <b>USB-AM/BM-2 cable USB 2m</b><br>USB cable, Type-A Plug/Type-B Plug                                                             | A6300113       |
|  | <b>USB-AM/BM-3 cable USB 3m</b><br>USB cable, Type-A Plug/Type-B Plug                                                             | A6300114       |
|  | <b>USB-AM/BM-5 cable USB 5m</b><br>USB cable, Type-A Plug/Type-B Plug                                                             | A6300111       |
|  | <b>19" RM-Set-210-1.5RU</b><br>19" extension for rack mounting devices of 210 mm width within 1.5RU (66 mm height)                | A7000025       |



## MORE VARIANTS

| Description                                                                                              | Article number |
|----------------------------------------------------------------------------------------------------------|----------------|
| <b>DP1.4-MUX2-USB</b><br>KVM switch to operate 2 computers with DisplayPort1.4 interface via one console | A2100169       |

# CONTACT

## WE ARE HERE FOR YOU!

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

### TECHNICAL SALES

Tel.: +1-833-928-1976  
Fax: +1-833-928-1976  
E-Mail: [sales.us@gdsys.com](mailto:sales.us@gdsys.com)

### HEADQUARTERS

Guntermann & Drunck GmbH Systementwicklung  
Obere Leimbach 9 | 57074 Siegen | NRW |  
Deutschland

Tel.: +49 271 23872-0  
Fax: +49 271 23872-120  
E-Mail: [sales@gdsys.com](mailto:sales@gdsys.com)

### US OFFICE

G&D North America Inc.  
4540 Kendrick Plaza Drive | Suite 100  
Houston, TX 77032 | United States

Tel.: +1-346-620-4362  
E-Mail: [sales.us@gdsys.com](mailto:sales.us@gdsys.com)

### MIDDLE EAST OFFICE

Guntermann & Drunck GmbH  
Dubai Studio City | DSC Tower  
12th Floor, Office 1208 | Dubai, UAE

Tel.: +971 4 5586178  
E-Mail: [sales.me@gdsys.com](mailto:sales.me@gdsys.com)

### APAC OFFICE

Guntermann & Drunck GmbH  
60 Anson Road #17-01  
Singapore 079914

Tel.: +65 9685 8807  
E-Mail: [sales.apac@gdsys.com](mailto:sales.apac@gdsys.com)