

# DVIMUX4-DL-MC4-USB

KVM switches, Article number A2100112



The KVM switch DVIMUX4-DL lets you operate up to four computers with DualLink DVI and/or VGA 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 (input and output side) up to  
2560 × 1600 @ 60 Hz,  
1920 × 1440 @ 75 Hz
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2560 × 1600 @ 60 Hz,  
1920 × 1440 @ 75 Hz

### SIGNALS

- Stereo audio signals
- 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       | Brand                        | G&D                                                                                                         |
|               | Product group                | KVM switches                                                                                                |
|               | Product Family               | DVIMUX-DL                                                                                                   |
|               | Country of origin            | Germany                                                                                                     |
|               | Number of workstations       | 1                                                                                                           |
|               | Number of sources            | 4                                                                                                           |
|               | Power Supply                 | no redundancy                                                                                               |
| Input options | USB mouse                    | yes                                                                                                         |
|               | USB keyboard                 | yes                                                                                                         |
|               | PS/2 mouse                   | no                                                                                                          |
|               | PS/2 keyboard                | no                                                                                                          |
| Video input 1 | Quantity                     | 1                                                                                                           |
|               | Format                       | VGA                                                                                                         |
|               | Colour depth                 | 24 bit                                                                                                      |
|               | Exemplary resolutions        | 1920 × 1440 (75 Hz)                                                                                         |
|               | General Notes                | Further VESA and CTA standardised resolutions possible within pixel rate and horizontal/vertical frequency. |
|               | Supported industry standards | Enhanced Display Data Channel (E-DDC)                                                                       |
| Video input 2 | Quantity                     | 2                                                                                                           |

|                |                              |                                                                                                             |
|----------------|------------------------------|-------------------------------------------------------------------------------------------------------------|
|                | Format                       | DualLink DVI                                                                                                |
|                | Colour depth                 | 24 bit                                                                                                      |
|                | Pixel encoding               | RGB 4:4:4 (24 bpp / 8 bpc)                                                                                  |
|                | Pixel rate ca.               | 25 MPixel/s to 330 MPixel/s                                                                                 |
|                | Vertical frequency           | 20 Hz to 120 Hz                                                                                             |
|                | Horizontal frequency         | 25 kHz to 135 kHz                                                                                           |
|                | Exemplary resolutions        | 3840 × 2160 (30 Hz)<br>2560 × 1600 (60 Hz)<br>2048 × 2160 (60 Hz)<br>2048 × 2048 (60 Hz)                    |
|                | General Notes                | Further VESA and CTA standardised resolutions possible within pixel rate and horizontal/vertical frequency. |
|                | Supported industry standards | Enhanced Display Data Channel (E-DDC)                                                                       |
| Video output 1 | Quantity                     | 1                                                                                                           |
|                | Format                       | VGA                                                                                                         |
|                | Colour depth                 | 24 bit                                                                                                      |
|                | Exemplary resolutions        | 1920 × 1440 (75 Hz)                                                                                         |
|                | General Notes                | Further VESA and CTA standardised resolutions possible within pixel rate and horizontal/vertical frequency. |
|                | Supported industry standards | Enhanced Display Data Channel (E-DDC)                                                                       |
| Video output 2 | Quantity                     | 2                                                                                                           |

|             |                                |                                                                                                             |
|-------------|--------------------------------|-------------------------------------------------------------------------------------------------------------|
|             | Format                         | DualLink DVI                                                                                                |
|             | Colour depth                   | 24 bit                                                                                                      |
|             | Pixel rate ca.                 | 25 MPixel/s to 330 MPixel/s                                                                                 |
|             | Vertical frequency             | 20 Hz to 120 Hz                                                                                             |
|             | Horizontal frequency           | 25 kHz to 135 kHz                                                                                           |
|             | Exemplary resolutions          | 3840 × 2160 (30 Hz)<br>2560 × 1600 (60 Hz)<br>2048 × 2160 (60 Hz)<br>2048 × 2048 (60 Hz)                    |
|             | General Notes                  | Further VESA and CTA standardised resolutions possible within pixel rate and horizontal/vertical frequency. |
|             | Supported industry standards   | Enhanced Display Data Channel (E-DDC)                                                                       |
| Audio       | Transmission type              | Stereo                                                                                                      |
|             | Bandwidth                      | 22 kHz                                                                                                      |
|             | Audio support                  | Analog                                                                                                      |
| 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                                                                                          |

|                      |                                            |                                                                                                                                                                                                                                                                   |
|----------------------|--------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                      | Active cooling (fan)                       | no                                                                                                                                                                                                                                                                |
|                      | Width ca.                                  | 270 mm                                                                                                                                                                                                                                                            |
|                      | Height ca.                                 | 132 mm                                                                                                                                                                                                                                                            |
|                      | Depth ca.                                  | 210 mm                                                                                                                                                                                                                                                            |
|                      | IP protection class                        | IP20                                                                                                                                                                                                                                                              |
|                      | Weight ca.                                 | 2.52 kg                                                                                                                                                                                                                                                           |
| Operating conditions | Operating environment 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 environment 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 | 0.6-0.3 A   |

## ACCESSORY PRODUCTS

| Image                                                                               | Description                                                                                                     | Article number |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|----------------|
|    | <b>USB-Service-2 cable 2m</b><br>Cable for system updates and configuration                                     | A6200103       |
|    | <b>CPU-MC4-DVID-DL-U-2 cable DVI-D 2m</b><br>Computer connection cable for quad DVI-D (dual-link)               | A6100128       |
|    | <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>DVI-D-DL-M/M-2 cable DVI-D 2m</b><br>Single cable for connecting a digital dual-link video channel           | A6300100       |
|  | <b>DVI-D-DL-M/M-3 cable DVI-D 3m</b><br>Single cable for connecting a digital dual-link video channel           | A6300164       |
|  | <b>DVI-D-DL-M/M-5 cable DVI-D 5m</b><br>Single cable for connecting a digital dual-link video channel           | A6300104       |
|  | <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-270-3RU</b><br>19" extension for rack mounting devices of 270 mm width within 3RU (132 mm height) | A7000046       |



## MORE VARIANTS

| Description                                                                                                               | Article number |
|---------------------------------------------------------------------------------------------------------------------------|----------------|
| <b>DVIMUX4-DL-MC2-USB</b><br>KVM switch to operate up to 4 computers with 2 Dual-Link-DVI interfaces each via one console | A2100104       |
| <b>DVIMUX4-DL-MC3-USB</b><br>KVM switch to operate up to 4 computers with 3 Dual-Link-DVI interfaces each via one console | A2100108       |
| <b>DVIMUX4-DL-USB</b><br>KVM switch to operate up to 4 computers with Dual-Link-DVI interfaces via one console            | A2100099       |

# 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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