

DP1.4-MUX4-MC4-USB

KVM switches, Article number A2100176



Front



Back

The KVM switch DP1.4-MUX4 lets you operate up to four 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	4
Input options	USB mouse	yes
	USB keyboard	yes
Video input	Number of video channels	4
	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 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 5120 × 2880 (60 Hz) - 5k 4096 × 2160 (60 Hz) - 4K UHD / 4K2K 3840 × 2160 (120 Hz) - 5k 3840 × 2160 (60 Hz) - 4K UHD / 4K2K 2560 × 1600 (60 Hz) - 2K / WQXGA 2560 × 1440 (240 Hz) - 5k 2560 × 1440 (144 Hz) - 4K UHD / 4K2K 2048 × 2048 (60 Hz) - 2K / WQXGA 1920 × 1200 (60 Hz) - Full HD / WUXGA 1920 × 1080 (240 Hz) - 4K UHD / 4K2K 1920 × 1080 (60 Hz) - Full HD / WUXGA Further VESA and CTA standardised resolutions possible within pixel rate and horizontal/vertical frequency.
	Supported industry standards	Extended Display Identification Data (EDID) Display Data Channel Command Interface (DDC/CI) Display Data Channel (DDC)
	Note	The supported industry standards cannot be guaranteed for all monitor models.
Video output	Number of video channels	4
	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 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 5120 × 2880 (60 Hz) - 5k 4096 × 2160 (60 Hz) - 4K UHD / 4K2K 3840 × 2160 (120 Hz) - 5k 3840 × 2160 (60 Hz) - 4K UHD / 4K2K 2560 × 1600 (60 Hz) - 2K / WQXGA 2560 × 1440 (240 Hz) - 5k 2560 × 1440 (144 Hz) - 4K UHD / 4K2K 2048 × 2048 (60 Hz) - 2K / WQXGA 1920 × 1200 (60 Hz) - Full HD / WUXGA 1920 × 1080 (240 Hz) - 4K UHD / 4K2K 1920 × 1080 (60 Hz) - Full HD / WUXGA Further VESA and CTA standardised resolutions possible within pixel rate and horizontal/vertical frequency.
	Supported industry standards	Extended Display Identification Data (EDID) Display Data Channel Command Interface (DDC/CI) Display Data Channel (DDC)
	Note	The supported industry standards cannot be guaranteed for all monitor models.
Audio	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) Stereo
	Resolutions	24 bit 20 bit 16 bit

	Sampling rate	32 kHz 44,1 kHz 48 kHz 88,2 kHz 96 kHz 176,4 kHz 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. 270 mm
	Height	ca. 132 mm
	Depth	ca. 210 mm
	IP protection class	IP20
	Weight	ca. 2.15 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 60 °C

	Storage air humidity	15 % to 85 %, non-condensing
	MTBF	200000 h at 25°C
	Conformities	CE compliant (see downloads) UKCA compliant (see downloads) FCC compliant (see manual) TAA compliant (see downloads) EAC compliant (see downloads) RoHS compliant (see downloads) WEEE (reg. no. DE30763240) REACH compliant (see downloads)
Power supply	Input voltage	100-240 VAC
	Input frequency	60-50 Hz
	Current consumption	0.4-0.2 A
	Power consumption max.	22 W
	Heat output max.	10 W

MORE VARIANTS

Description	Article number
DP1.4-MUX4-MC2-USB KVM switch to operate up to 4 computers with 2 DisplayPort1.4 interfaces each via one console	A2100174
DP1.4-MUX4-MC2-USB-R KVM switch to operate up to 4 computers with 2 DisplayPort1.4 interfaces each via one console	A2100206
DP1.4-MUX4-MC3-USB KVM switch to operate up to 4 computers with 3 DisplayPort1.4 interfaces each via one console	A2100175
DP1.4-MUX4-USB KVM switch to operate up to 4 computers with DisplayPort1.4 interface via one console	A2100173
DP1.4-MUX4-USB-R KVM switch to operate up to 4 computers with DisplayPort1.4 interface via one console	A2100207

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

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

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

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

APAC OFFICE

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

Tel.: +65 9685 8807
E-Mail: sales.apac@gdsys.com