DP1.4-MUX4-MC2-USB

KVM switches, Article number A2100174



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
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,
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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	Brand	G&D
	Product group	KVM switches
	Product Family	DP1.4-MUX
	Country of origin	Germany
	Number of workplaces	1
	Number of sources	4
Input options	USB mouse	yes
	USB keyboard	yes
	PS/2 mouse	no
	PS/2 keyboard	no
Video input	Quantity	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 1080 MPixel/s
	Vertical frequency	20 Hz to 240 Hz
	Horizontal frequency	25 kHz to 390 kHz

	Exemplary resolutions	7680 × 4320 (30 Hz) 5120 × 2880 (60 Hz) 4096 × 2160 (60 Hz) 3840 × 2160 (120 Hz) 3840 × 2160 (60 Hz) 2560 × 1600 (60 Hz) 2560 × 1440 (240 Hz) 2560 × 1440 (144 Hz) 2048 × 2048 (60 Hz) 1920 × 1200 (60 Hz) 1920 × 1080 (240 Hz) 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) Display Data Channel Command Interface (DDC/CI) 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
	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
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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) Display Data Channel Command Interface (DDC/CI) 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) Stereo
	Resolutions	24 bit 20 bit 16 bit

	Sampling rate	up to 32 kHz up to 44.1 kHz up to 48 kHz up to 88.2 kHz up to 96 kHz up to 176.4 kHz 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
	Active cooling (fan)	no
	Width ca.	270 mm / 10.63 in
	Height ca.	66 mm / 2.60 in
	Depth ca.	210 mm / 8.27 in
	IP protection class	IP20
	Weight ca.	1.63 kg / 3.59 lb
Operating conditions	Operating environment temperature	5 °C to 45 °C / 41 °F to 113 °F
	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 60 °C / -4 °F to 140 °F
	Storage air humidity, non-condensing	15 % to 85 %
	MTBF	200,000 h at 25°C (77 °F)
	Conformities	CE compliant (see downloads) UKCA compliant (see downloads) FCC compliant (see manual) TAA compliant (see downloads) RoHS compliant (see downloads) WEEE (reg. no. DE30763240) REACH compliant (see downloads)
Power supply	Quantity	1
	Type	Internal
	Input voltage	100-240 VAC
	Input frequency	60-50 Hz
	Current consumption	0.4-0.2 A
	Power consumption max.	15 W
	Heat output max.	6 W / 20.47 BTU/h

ACCESSORY PRODUCTS

Image	Description	Article number
	USB-Service-2 cable 2m Cable for system updates and configuration	A6200103
	CPU-MC2-DP-U-2 cable connection-DPMux MC2 Cable set to connect a computer via its DisplayPort, audio and USB interfaces	A6100166
	PowerCable-3 Standard cable 3m Cable to connect the power supply type Germany	A6300066
	PowerCable-5 Standard cable 5m Cable to connect the power supply type Germany	A6300065
	Audio-M/M-2-ferrite cable 2m Audio connection cable with ferrite core	A6300083
	Audio-M/M-3-ferrite cable 3m Audio connection cable with ferrite core	A6300118
	Audio-M/M-5-ferrite cable 5m Audio connection cable with ferrite core	A6300085
	DP1.4-Cable-M/M-2 SK13357 2m Single cable to connect a DisplayPort video channel (DP1.4)	A6300173
	DP1.4-Cable-M/M-3 SK13358 3m Single cable to connect a DisplayPort video channel (DP1.4)	A6300174
	DP1.4-Cable-M/M-5 SK13359 5m Single cable to connect a DisplayPort video channel (DP1.4)	A6300175
	USB-AM/BM-2 cable USB 2m USB cable, Type-A Plug/Type-B Plug	A6300113
	USB-AM/BM-3 cable USB 3m USB cable, Type-A Plug/Type-B Plug	A6300114
	USB-AM/BM-5 cable USB 5m USB cable, Type-A Plug/Type-B Plug	A6300111
	**19" RM-Set-270-1.5RU** 19" extension for rack mounting devices of 270 mm width within 1.5RU (66 mm height)	A7000026

MORE VARIANTS

Description	Article number
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-MC4-USB KVM switch to operate up to 4 computers with 4 DisplayPort1.4 interfaces each via one console	A2100176
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.

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