

DP1.4-MUX4-NT-R

KVM switches, Article number A2100218



The KVM switch DP1.4-MUX4-NT 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, the integrated EasyControl tool, XML remote control via API and SNMP, or an additional serial device via the RS232 interface. You can use various Monitoring & SNMP features via the network interfaces. These can also be used to configure the device via the Config Panel.

SCOPE OF DELIVERY

Quantity	Description	Article number
2	PowerCable-2 Standard cable 2m	A6300057
1	19" RM-Set-436-1RU	A7000003

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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SIGNALS

- Embedded stereo audio (DisplayPort Digital, LPCM 2/4/6/8 channels)
- Transparent audio signals (stereo, analog)
- Transparent RS232 (max. 115,200 bps)
- USB 3.1 gen1 with SuperSpeed, all USB classes

DEVICE

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

WARRANTY

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

FEATURES

SECURITY FEATURES

- Early detection of security incidents or unusual activities through continuous monitoring via Syslog, monitoring, and SNMP
- Redundant network interface
- Redundant internal power packs
- Auto Backup Function: Automates backups at user-defined intervals and replaces manual intervention – ensuring reliable, timely data protection without the need for continuous monitoring
- 2-Factor-Authentication (2FA) – is integrated by default in MUX-NT series and enhances security by requiring a second, possession-based factor during user authentication:
 - The traditional password authentication is combined with a time-limited, single-use code (Time-Based-One-Time-Password - TOTP)
 - You can choose between using the internal authentication server provided in the device or an external directory service
 - Authenticator apps or hardware token can be used
 - This additional layer of protection prevents unauthorized access and ensures the highest level of security, particularly in sensitive IT environments

OPERATION FEATURES

- Ready for operation out of the box, no additional configuration required
- Permanent keyboard/mouse emulation ensures a stable system
- Configuration and update via the multilingual HTML5 web interface “Config Panel 21” (Java-free)

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
Video input	Number of video channels	1
	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	1
	Format	DisplayPort 1.4 (LBR, HBR, HBR2, HBR3, SingleStream-Transport (SST), MultiStream-Transport (MST), Display Stream Compression (DSC))
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Audio	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
Audio 2	Transmission type	Stereo Transparent
	Resolutions	24 bit digital
	Sampling rate	up to 96 kHz
	Bandwidth	22 kHz
	Audio support	Analog
USB	Specification	USB 3.1 Gen 1
	Transmission rate	5000 Mbit/s (SuperSpeed)

	Power (output)	900 mA (HighPower)
	USB classes	All
Serial	Standard	RS232
	Transparent transmission	yes
	Data rate	max. 115200 bps
	Signals	TxD RxD DTR DSR RTS CTS
Network	Medium 1	CAT5 CAT6 CAT7
	Data rate 1	10 MBit/s 100 MBit/s
	Medium 2	CAT7 CAT6 CAT5
	Data rate 2	100 MBit/s 10 MBit/s
Maintenance	Update via	ConfigPanel (Network)
	Serviceport settings	115200bps (8/N/1)
Housing	Material	anodised aluminium
	Width	ca. 436 mm
	Height	ca. 66 mm
	Depth	ca. 210 mm

Operating conditions	IP protection class	IP20
	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) 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	0.6-0.4 A
Power supply 2	Input voltage	100-240 VAC
	Input frequency	60-50 Hz
	Current consumption	0.6-0.4 A



MORE VARIANTS

Description	Article number
DP1.4-MUX4-NT KVM switch to operate 4 computers with DisplayPort1.4 interface via one console	A2100216
DP1.4-MUX4-NT-MC2 KVM switch to operate 4 computers with 2 DisplayPort1.4 interfaces each via one console	A2100215
DP1.4-MUX4-NT-MC2-R KVM switch to operate 4 computers with 2 DisplayPort1.4 interfaces each via one console	A2100217

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

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