

DL-DVI-MUX4-NT-R

KVM switches, Article number A2100204



The KVM switch DL-DVI-MUX4-NT lets you operate up to four computers with Dual-link DVI 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 (input and output side) up to
2560 × 1600 @ 60 Hz,
1920 × 1440 @ 75 Hz
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SIGNALS

- 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 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
	Product Family	MUX-NT
	Number of workstations	1
	Number of sources	4
	Power Supply	Redundancy without load balancing
Video input 1	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) 2560 × 1600 (60 Hz) 2048 × 2160 (60 Hz) 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 input 2	Quantity	2
	Format	VGA

	Colour depth	24 bit
	Pixel rate ca.	0 MHz to 400 MHz
	Vertical frequency	20 Hz to 120 Hz
	Horizontal frequency	25 kHz to 135 kHz
	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 1	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) 2560 × 1600 (60 Hz) 2048 × 2160 (60 Hz) 2048 × 2048 (60 Hz)
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Audio	Transmission type	Stereo Transparent
	Resolutions	24 bit digital
	Sampling rate	up to 96 kHz
	Bandwidth	22 kHz
	Audio support	Analog
USB	Separate USB transmission port	no
	Specification	USB 3.1 Gen 1
	Transmission rate	max. 5,000 Mbit/s (SuperSpeed)
	Power (output)	900 mA (HighPower)
	USB classes	All

Serial	Standard	RS232
	Transparent transmission	yes
	Data rate	max. 115,200 bps
	Signals	TxD RxD DTR DSR RTS CTS
Network	Quantity	2
	Medium	CAT7 CAT6 CAT5
	Data rate	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
	IP protection class	IP20
	Weight ca.	2.63 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) 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	Quantity	2
	Type	Internal
	Input voltage	100-240 VAC
	Input frequency	60-50 Hz
	Current consumption	0.5-0.3 A
	Power consumption idle	7-7.3 W
	Power consumption max.	21.7 W
	Heat output idle	9.7 W
	Heat output max.	21.7 W

MORE VARIANTS

Description	Article number
DL-DVI-MUX4-NT KVM switch to operate up to 4 computers with Dual-Link-DVI interface via one console	A2100197
DL-DVI-MUX4-NT-DCS Dry Contacts Switching KVM switch to operate up to 4 computers with Dual-Link-DVI interface via one console	A2100203
DL-DVI-MUX4-NT-MC2 KVM switch to operate up to 4 computers with 2 Dual-Link-DVI interfaces each via one console	A2100198
DL-DVI-MUX4-NT-MC2-R KVM switch to operate up to 4 computers with 2 Dual-Link-DVI interfaces each via one console	A2100205
DL-DVI-MUX4-NT-MC3 KVM switch to operate up to 4 computers with 3 Dual-Link-DVI interfaces each via one console	A2100199
DL-DVI-MUX4-NT-MC4 KVM switch to operate up to 4 computers with 4 Dual-Link-DVI interfaces each via one console	A2100200

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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