



TWIN-LWLVISION(M)-ARU2-PC

KVM extenders, Article number A1110154

The KVM extenders of the LwLVision series extend keyboard, video, and mouse signals, as well as other peripheral data (e.g., audio and USB), via a dedicated fiber connection (up to 550 m) uncompressed, pixel-perfect and without any latency or loss. An extender system consists of a computer module (CPU) and a console module (CON). The LwLVision series supports SingleLink DVI-I connection for analog and digital video resolutions up to 1920 × 1200 (60 Hz).

SCOPE OF DELIVERY

Quantity	Description	Article number
1	PowerCable-2 Standard cable 2m	A6300057
2	DVI-D-DL-M/M-2 cable DVI-D 2m	A6300100
2	VGA-M/DVI-A-M-2 cable VGA-DVI 2m	A6300053
4	USB-AM/BM-2 cable USB 2m	A6300113
2	SOKA-G-2 cable G 2m	A6100045
2	RS232-M/F-2 cable RS232 2m	A6300023
4	Audio-M/M-2-ferrite cable 2m	A6300083
1	19" RM-Set-436-1RU	A7000003

DETAILS

VIDEO

- Resolution up to
1920 × 1200 @ 60 Hz,
1280 × 1024 @ 85 Hz
- Resolution up to
1920 × 1200 @ 60 Hz,
1280 × 1024 @ 85 Hz

SIGNALS

- Bidirectional audio signals in stereo/CD quality
- Transparent RS232 (max. 57,600 bps)
- USB 2.0 with Hi-Speed (separate transmission line, transparent, all USB classes)

TRANSMISSION

- The transmission distance is up to 550 meters over fiber multimode optics, incl. transmission module(s)/SFP transceiver(s)
- Uncompressed
- Uncompressed

DEVICE

- Improved security through physical separation between workplaces and computers
- Access to standard interfaces of the computer, with no software installation required
- Internal power pack for main power supply

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
- Operation via multilingual on-screen display (OSD) and hotkeys

EXTENSIONS

DEVICE

- External power supply via external 12V power pack or G&D-MultiPower, providing a central and redundant power supply

TECHNICAL DATA

General	Product group	KVM extenders
Input options	USB mouse	yes
	USB keyboard	yes
	PS/2 mouse	yes
	PS/2 keyboard	yes
Transmission	Number of transmission channels	4
	Redundant transmission channels	no redundant KVM transmission
	Range	550 m (50.0/125µm, OM1) 220 m (62.5/125µm, OM1)
	Laser class	Class 1
	Type of interface	SC-Duplex
	Wavelength	850 nm
	Medium	Fiber MM
	Data rate	1 Gbit/s
Video input	Number of video channels	2
	Format	VGA
	Colour depth	24 bit
	Pixel rate	up to ca. 165 MHz
	Vertical frequency	50 Hz to 120 Hz
	Horizontal frequency	30 kHz to 110 kHz

	Exemplary resolutions	1920 × 1200 (60 Hz) - Full HD / WUXGA
	Supported industry standards	Display Data Channel (DDC)
Video input 2	Number of video channels	2
	Format	Singlelink DVI
	Colour depth	24 bit
	Pixel rate	up to ca. 165 MHz
	Vertical frequency	50 Hz to 120 Hz
	Horizontal frequency	30 kHz to 110 kHz
	Exemplary resolutions	1920 × 1200 (60 Hz) - Full HD / WUXGA 1920 × 1080 (60 Hz) - Full HD / WUXGA 1600 × 1200 (60 Hz) - Full HD / WUXGA Further VESA and CTA standardised resolutions possible within video bandwidth/pixel rate and horizontal/vertical frequency.
	Supported industry standards	Display Data Channel (DDC)
Video output	Number of video channels	2
	Format	Singlelink DVI
	Colour depth	24 bit
	Pixel rate	up to ca. 165 MHz
	Vertical frequency	50 Hz to 120 Hz
	Horizontal frequency	30 kHz to 110 kHz

	Exemplary resolutions	1920 × 1200 (60 Hz) - Full HD / WUXGA 1920 × 1080 (60 Hz) - Full HD / WUXGA 1600 × 1200 (60 Hz) - Full HD / WUXGA 1280 × 1024 (85 Hz) - Full HD / WUXGA 1280 × 1024 (60 Hz) - Full HD / WUXGA Further VESA and CTA standardised resolutions possible within pixel rate and horizontal/vertical frequency.
	Supported industry standards	Display Data Channel (DDC)
Video output 2	Number of video channels	2
	Format	VGA
	Colour depth	24 bit
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	Exemplary resolutions	1920 × 1200 (60 Hz) - Full HD / WUXGA
	Supported industry standards	Display Data Channel (DDC)
Audio	Transmission type	Bidirectional Transparent Stereo
	Resolutions	18 bit digital
	Sampling rate	up to 48 kHz
	Bandwidth	22 kHz
	Audio support	Analog
USB	Separate USB transmission port	yes

	Specification	USB 2.0
	Medium	Fiber MM
	Transmission rate	480 Mbit/s (Hi-Speed)
	Range	max. 550 m
	Power (output)	500 mA (HighPower)
	USB classes	All
Serial	Standard	RS232
	Transparent transmission	yes
	Data rate	max. 57600 bps
	Signals	TxD RxD DTR DSR RTS CTS DCD
Maintenance	Update via	Update Wizard (service interface)
Housing	Material	anodised aluminium
	Width	ca. 270 mm
	Height	ca. 44 mm
	Depth	ca. 210 mm
	IP protection class	IP20
	Weight	ca. 2.34 kg

Operating conditions	Operating temperature	5 °C to 40 °C
	Operating air humidity	20 % to 80 %, non-condensing
	Area of application	Interior
	Maximum operating altitude	3048m above sea level
	Storage temperature	-10 °C to 55 °C
	Storage air humidity	15 % to 80 %, non-condensing
	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	0.6-0.3 A
Power supply 2	Input voltage	12 VDC
	Current consumption	0.9 A

MORE VARIANTS

Description	Article number
LwLVision(M)-ARU2-PC Computer module to extend single link DVI signals via fiber multimode	A1110150
LwLVision(M)-ARU2-PC-RM Computer module to extend single link DVI signals via fiber multimode	A1110151

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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