LWLVISION(M)-ARU2-PC

KVM extenders, Article number A1110150

Front

Back

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
1	DVI-D-DL-M/M-2 cable DVI-D 2m	A6300100
1	VGA-M/DVI-A-M-2 cable VGA-DVI 2m	A6300053
2	USB-AM/BM-2 cable USB 2m	A6300113
1	SOKA-G-2 cable G 2m	A6100045
1	RS232-M/F-2 cable RS232 2m	A6300023
2	Audio-M/M-2-ferrite cable 2m	A6300083
1	Safety instructions flyer - FCC class B	A9100371

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 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
	Product Family	LwLVision
	Power Supply	Redundancy without load balancing
Input options	USB mouse	yes
	USB keyboard	yes
	PS/2 mouse	yes
	PS/2 keyboard	yes
Transmission	Number of transmission channels	2
	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 1	Quantity	1
	Format	VGA
	Colour depth	24 bit
	Pixel rate ca.	0 MHz to 165 MHz

	Vertical frequency	50 Hz to 120 Hz
	Horizontal frequency	30 kHz to 110 kHz
	Exemplary resolutions	1920 × 1200 (60 Hz)
	Supported industry standards	Display Data Channel (DDC)
Video input 2	Quantity	1
	Format	Singlelink DVI
	Colour depth	24 bit
	Pixel rate ca.	0 MHz to 165 MHz
	Vertical frequency	50 Hz to 120 Hz
	Horizontal frequency	30 kHz to 110 kHz
	Exemplary resolutions	1920 × 1200 (60 Hz) 1920 × 1080 (60 Hz) 1600 × 1200 (60 Hz)
	General Notes	Further VESA and CTA standardised resolutions possible within pixel rate and horizontal/vertical frequency.
	Supported industry standards	Display Data Channel (DDC)
Video output 1	Quantity	1
	Format	Singlelink DVI
	Colour depth	24 bit
	Pixel rate ca.	0 MHz to 165 MHz
	Vertical frequency	50 Hz to 120 Hz
	Horizontal frequency	30 kHz to 110 kHz

	Exemplary resolutions	1920 × 1200 (60 Hz) 1920 × 1080 (60 Hz) 1600 × 1200 (60 Hz) 1280 × 1024 (85 Hz) 1280 × 1024 (60 Hz)
	General Notes	Further VESA and CTA standardised resolutions possible within pixel rate and horizontal/vertical frequency.
	Supported industry standards	Display Data Channel (DDC)
Video output 2	Quantity	1
	Format	VGA
	Colour depth	24 bit
	Pixel rate ca.	0 MHz to 165 MHz
	Vertical frequency	50 Hz to 120 Hz
	Horizontal frequency	30 kHz to 110 kHz
	Exemplary resolutions	1920 × 1200 (60 Hz)
	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	max. 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. 57,600 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.	1.5 kg

Operating conditions	Operating environment temperature	5 °C to 40 °C
	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	-10 °C to 55 °C
	Storage air humidity, non-condensing	15 % to 80 %
	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 1	Quantity	1
	Type	Internal
	Input voltage	100-240 VAC
	Input frequency	60-50 Hz
	Current consumption	0.3-0.2 A
Power supply 2	Quantity	1
	Type	External
	Input voltage	12 VDC
	Current consumption	0.9 A

ACCESSORY PRODUCTS

Image	Description	Article number
	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
	RS232-M/F-5 cable RS232 5m Cable to connect a serial device	A6300025
	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
	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
	DVI-D-DL-M/M-3 cable DVI-D 3m Single cable for connecting a digital dual-link video channel	A6300164
	DVI-D-DL-M/M-5 cable DVI-D 5m Single cable for connecting a digital dual-link video channel	A6300104
	19" RM-Set-270-1RU 19" extension for rack mounting devices of 270 mm width within 1RU (44 mm height)	A7000023

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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