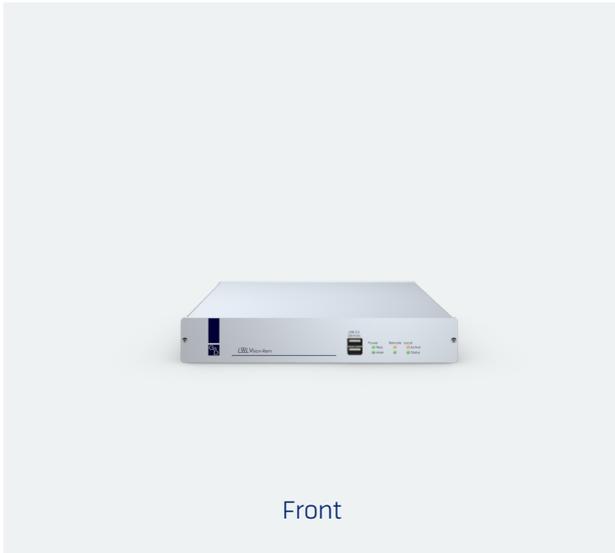# LWLVISION(M)-ARU2-REM

KVM extenders, Article number A1120144

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	Safety instructions flyer - FCC class B	A9100371

Guntermann & Drunck GmbH Systementwicklung
Obere Leimbach 9 | 57074 Siegen | Germany | T +49 271 23872-0 | F +49 271 23872-120 | sales@gdsys.com | www.gdsys.com

1

DETAILS

VIDEO

— 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

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

Guntermann & Drunck GmbH Systementwicklung

Obere Leimbach 9 | 57074 Siegen | Germany | T +49 271 23872-0 | F +49 271 23872-120 | sales@gdsys.com | **www.gdsys.com**

2

EXTENSIONS

DEVICE

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

Guntermann & Drunck GmbH Systementwicklung

Obere Leimbach 9 | 57074 Siegen | Germany | T +49 271 23872-0 | F +49 271 23872-120 | sales@gdsys.com | **www.gdsys.com**

3

TECHNICAL DATA

General		
	Product group	KVM extenders
	Product Family	LwLVision
	Number of workstations	1
	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 output 1		
	Quantity	1
	Format	Singlelink DVI
	Colour depth	24 bit

Guntermann & Drunck GmbH Systementwicklung
Obere Leimbach 9 | 57074 Siegen | Germany | T +49 271 23872-0 | F +49 271 23872-120 | sales@gdsys.com | www.gdsys.com

4

	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

Guntermann & Drunck GmbH Systementwicklung

Obere Leimbach 9 | 57074 Siegen | Germany | T +49 271 23872-0 | F +49 271 23872-120 | sales@gdsys.com | **www.gdsys.com**

5

	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

Guntermann & Drunck GmbH Systementwicklung

Obere Leimbach 9 | 57074 Siegen | Germany | T +49 271 23872-0 | F +49 271 23872-120 | sales@gdsys.com | **www.gdsys.com**

6

	IP protection class	IP20
	Weight ca.	1.53 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	0.5-0.3 A
Power supply 2	Quantity	1
	Type	External

Guntermann & Drunck GmbH Systementwicklung

Obere Leimbach 9 | 57074 Siegen | Germany | T +49 271 23872-0 | F +49 271 23872-120 | sales@gdsys.com | **www.gdsys.com**

7

Input voltage	12 VDC
Current consumption	2.1 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
	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.

TECHNICAL SALES

Tel.:   +49 271 23872-333

Fax: +49 271 23872-120

E-Mail: sales@gdsys.com

HEADQUARTERS

Guntermann & Drunck GmbH Systementwicklung
Obere Leimbach 9 | 57074 Siegen | NRW | Deutschland

Tel.:   +49 271 23872-0

Fax: +49 271 23872-120

E-Mail: sales@gdsys.com

US OFFICE

G&D North America Inc.
4540 Kendrick Plaza Drive | Suite 100
Houston, TX 77032 | United States

Tel.:   +1-346-620-4362

E-Mail: sales.us@gdsys.com

MIDDLE EAST OFFICE

Guntermann & Drunck GmbH
Dubai Studio City | DSC Tower
12th Floor, Office 1208 | Dubai, UAE

Tel.:   +971 4 5586178

E-Mail: sales.me@gdsys.com

APAC OFFICE

Guntermann & Drunck GmbH
60 Anson Road #17-01
Singapore 079914

Tel.:   +65 9685 8807

E-Mail: sales.apac@gdsys.com

Guntermann & Drunck GmbH Systementwicklung
Obere Leimbach 9 | 57074 Siegen | Germany | T +49 271 23872-0 | F +49 271 23872-120 | sales@gdsys.com | **www.gdsys.com**

10