LVDS Solution Fiber

HMI Lösung over IP based on MVX Fiber
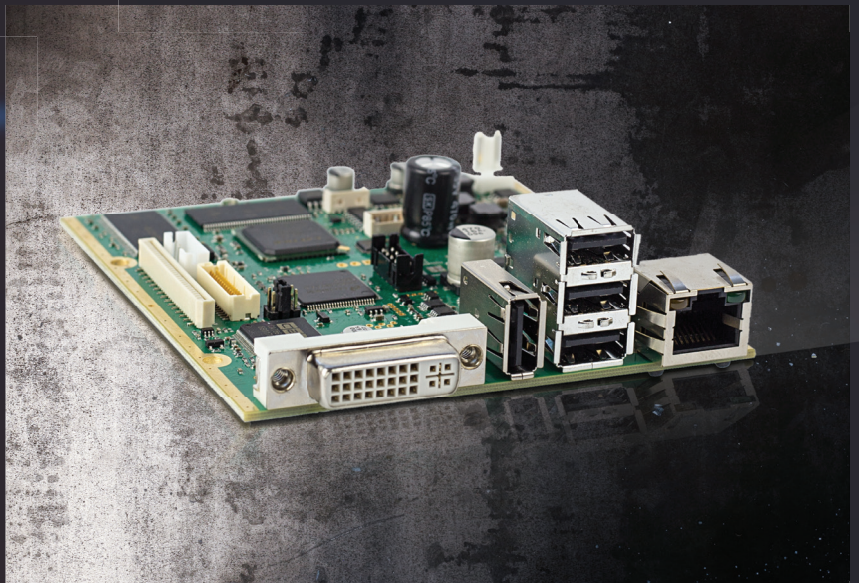
The LVDS Solution - is the slim HMI solution with many applications for MVX-1 FIBER KVM Extender. The LVDS solution replaces the controller board of a monitor and makes the device very compact. The Extender controls the TFT panel via the LVDS inter- face. With the LVDS Solution the remote part of the MVX1-FIBER Masterline Extender is delivered with a 30pin interface for a display and the corresponding 5pin connector for the backlight.

The LVDS Solution replaces the controller board of a monitor and makes the device very compact. A Ver- sion with an unassembled USB socket is available on request. This reduces the maximum height to 10mm/039 inch.

USB 2.0 transparent - in house development

DVI-D USB 2.0

Resolution 1920x1200@60 Hz

Max. distance 160 km/99 mi in Fiber

SFP module Multimode up to 500m/1640 ft.

alternativ with single mode up to 20km/12 mi

Full HD videos in real time

Can be used in the Matrix Switching System up to 48 endpoints

.... smart connections

The LVDS Solution replaces the controller board of a monitor and makes the device very compact.

Panel supply voltage: 3.3V, 5V and 12V

Brightness adjustment via On Screen Display

Depending on the resolution, a correspon- ding DDC EDID information is transmitted to the computer.

kvm-tec upgrades
Pre-installed and unlockable

- USB memory
- Matrix Switching System up to 48 endpoints

www.kvm-tec.com
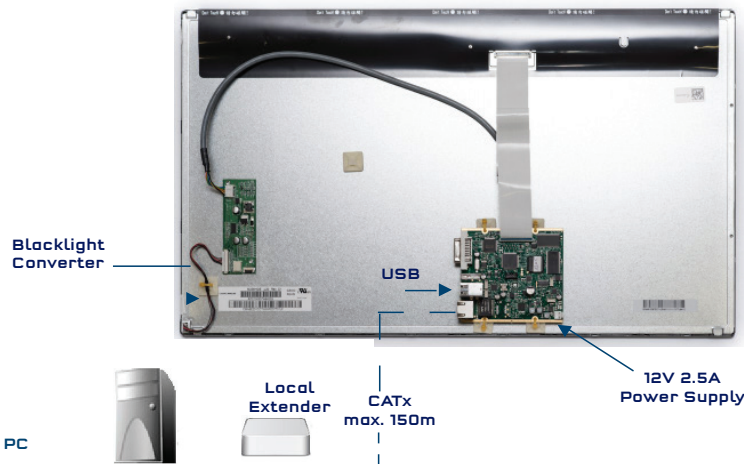
Technical Specifications

- The LVDS Solution replaces the controller board of a monitor and makes the device very compact.

- Panel supply voltage: 3.3V, 5V and 12V

- Max. Resolution 1920x1200@60Hz

- Brightness adjustment via On Screen Display

- Depending on the resolution, a corresponding DDC EDID information is transmitted to the computer.

- A version with an unassembled USB socket is available on request. This reduces the maximum height to 10mm/039 inch.

- The LVDS solution is not preloaded as standard and must be ordered with the order.

- the LVDS solution can be used in the Matrix Switching System up to 48 endpoints.

		MVX1-F Local/CPU	LVDS Remote/CON
Operation environment	Temperature Humidity	0 to +45 °C (32 to 113 °F) < 80%, non condensing	0 to +45 °C (32 to113 °F) < 80%, non condensing
Storage environment	Temperature Humidity	-25 to 80 °C / -13 to 176 °F < 80%, non condensing	25 to 80 °C / -13 to 176 °F < 80%, non condensing
Cooling		free air convection	free air convection
MTBF		82.820 calculated hours approx. 10 years	82.820 calculated hours approx. 10 years
Conformity		CE, FCC	CE,FCC
Warranty		2 years (5 Jahre opt)	2 years (5 years opt)
Delivery content	Devices	1 x MVX 1 I-F ocal (CPU)	1 x LVDS Fiber board
	Power supply	1 x power supply 12V 1A (EU-plug) or INT plug	
	Cables	1 x DVI - DVI cable 1,8m/5.9ft 1 x USB cable 1,8m/5,9ft 1 x VGA -DVi cable 1,8m/5,9ft (opt) 2 x Audio cable 1,8m/5,9ft (opt)	
	SFP Modules	1 x SFP Module Multimode up to 500m/1640 ft alternative with Single Mode up to 20 km /12mi ItemNr6829	1 x SFP Modul-Multimode up to 500m/1640 ft alternativ Single Mode up to 20km/12mi Item Nr 6829
	Mountig	4 x rubber feets	4 x rubber feets
Laserklasse 1 DIN 40008/EN and VDE 0837	Weight and dimension	97,5 x 40 x 103,50/103.5 mm / 3,83 x 1,57 x 4,07 inch 302g /0,65 lb	97.5 x 40 x 103.5 mm(3,83 x 1,57 x 4,07 inch) 291g/0,64 lb
	weight for shipment SET 1,40kg/3,08lb		
	Manual download: www. kvm-tec.com		

Part Number & short description

LVDS Solution
Art. Nr.: 6801

Blacklight
Converter

USB

PC

Local
Extender

CATx
max. 150m

12V 2.5A
Power Supply

Part No	Order No	short description
6801RLVDS **6801L**	MVX1 - LVDS MVX1-FL	*LVDS Solution for Masterline Extender Single – Set* *UPC 051497031855* *MVX Extender Single Local Unit UPC 051497032500*
6842	MVX1-SWO	MVX1 Switching upgrade (Switching over OSD menu)
4002	KVM-SM48	UPC051497031824 The intelligent software - kvm-tec Switching Manager enables convenient and intuitive management of KVM extenders in the switching system.
9003 **9002**	GV5JU GV5J	Warranty extension to 5 years per UNIT Warranty extension to 5 years per UNIT
ADD-ONS **6130** **6131** **6132**	RMK-F RMK-FN RMK-FRN	Rack Mounting Kit with front panel kit UPC051497031718 Rack Mounting Kit with front panel and Power supply UPC 051497031732 Rack Mounting Kit with frontpanel and red. Power supply UPC051497031749
6135 **6136** **6736** **SFP Module** **7009** **7010** **7007** **7011** **6829**	UMK TSB VH LWLMM LWLSM20 LWLSM80 LWLBIDI AL-LVDS - SM	Mounting Kit for under the table Din Rail Mounting Kit 6136 Vesa Mounting LWL Multi Mode - SFP Module 1 500m/1640 ft LWL Single Mode - SFP Modul 1 Stk. 20km/12mi LWL Single Mode - SFP Modul 1 Stk. 80km/50mi LWL Single Mode - SFP Modul BiDi Set 20km/12mi alternativ Single Mode Module up to 20km/12mi