KM Switches

TradeSwitch 7.3

KVM Switches
Switches for the effective operation of multiple computers
via one workstation

Leading the way in digital KVM

Leading the way in digital KVM

Guntermann & Drunck GmbH has been established in 1985 and is named after its founders. Over 25 years have since past, and we are now a leading manufacturer of digital and analog KVM switching systems.

As an owner-managed company we work with a broad range in both digital and analog KVM closely with the marketplace and make our decisions with and in the interests of our customers. It is our philosophy to meet our customers while making decisions, to accompany them in the process and ensure that they achieve their goals.

We can do this because as a medium sized company we have short communication paths and all core competencies are in house – from development through to production. This way we can even make the impossible possible at times. If it is thanks to the modularity of the products or by implementing a customised solution. We orient ourselves towards the needs of the customer – and not the other way round.

Organisations, service providers and companies of all sizes managing numerous computers, servers and other network devices trust the comprehensive advice and service provided by Guntermann & Drunck GmbH.

Thanks to these different fields of specialisation, the demands placed on the products are many and are manifold. Our products have to provide a long-life service, be secure, uncomplicated, user-friendly, understandable and adaptable.

The KM Switches TradeSwitch enable you to operate two, four, or eight computers over one keyboard and mouse.

The TradeSwitch devices switch the following signals:

- Keyboard/mouse
- Audio
- USB 2.0

Video signals are not processed. Each monitor of the user console is directly connected to the computer and permanently displays its image.

A working system consists of one TradeSwitch and the required computer connection cable sets.

TradeSwitch8-USB - rear view

Highlights

NEW CrossDisplay-Switching

- Switches keyboard/mouse, audio, and transparent USB 2.0 signals
- Highlights active channel using LEDs
- External switching over RS232 possible
- Integrated CrossDisplay-Switching

CrossDisplay-Switching
With integrated **CrossDisplay-Switching**, users can now switch between channels simply by moving the mouse. The mouse acts as if on a "virtual desktop" and can be moved seamlessly across the connected displays. Moving the cursor from the active to another display, the keyboard-mouse focus automatically switches to the connected computer.

Now users can create a multi-monitor console and use the mouse to easily switch between channels.
The CrossDisplay-Switching function ist available for the following KVM-Switches:

- TradeSwitch2-USB
- TradeSwitch4-USB
- TradeSwitch8-USB

CrossDisplay-Switching

Features

Device
- Only accesses standard keyboard, mouse, audio and and USB interfaces
- Full keyboard/mouse emulation for each channel
- No software installation required
- Available as desktop and 19" version
- Enables computer switching via hotkey

- hotkeys can be reprogrammed through the Setup mode, therefore no interference with other applications
- LEDs at the switch and special LEDs that can be placed on the monitors highlight the accessed computers

System upgrade
- Update by flash upgrade at device

Variants

Design
• Available as desktop (DT) or rack mount (RM) variant

Expansion

The Trade Switches are fully equipped.
Recently no expansions are available.

Installation

Connect the computers to the back side of the device. Distinctive standard cables connect keyboard, mouse, audio and USB interfaces to the switch.

Cable length of PS/2 cable sets: 2 m, 5 m
Cable length of USB cable sets: 2 m, 5 m

For installing the user console simply connect keyboard and mouse to the intended interfaces. Attach the supplied LED sets to the monitors. This facilitates locating the monitor (computer) to which the keyboard/mouse focus is switched to.

Feel free to download the TradeSwitch manual to find out more details about the start-up.

TradeSwitch2

left: TradeSwitch2-PS/2 - front view
rightt: TradeSwitch2-PS/2 - rear view

	TradeSwitch2-USB	TradeSwitch2-PS/2
Keyboard/Mouse		
User console connections per unit	1	
Computer channels	2	
Switchable signals	USB keyboard/mouse, audio bidirectional, USB 2.0	PS/2 keyboard/mouse, audio
Computer connection	KM cable set	
Interfaces for user console		2 × Mini-DIN 6 socket
	2 × USB-A socket	
Monitor LED sets	2 × D-Sub 9 socket	
Interfaces to computer	2 × (1x USB-B socket incl. USB 2.0)	2 × (2 × Mini-DIN 6 socket)
Audio		
Connection	analog	
Bandwidth	22 kHz	
Interfaces for user console	2 × 3.5 mm jack plug (line in + speaker)	1 × 3.5 mm jack plug (speaker)
Interfaces to computer	2 × (2 × 3.5 mm jack plug) (line in + line out)	2 × (1 x 3.5 mm jack plug) (line in)
Transparent USB 2.0		
Transmission range	5 m	
USB power supply	high power devices up to 500 mA	
USB transmission rate	up to 480 mbps	
Interfaces for user console	2 × USB-A socket	
Interfaces to computer	2 × (1 x USB-B socket incl. K/M)	
Power supply		
Type	internal power pack	
Connection	IEC plug	
Voltage	AC100-240V/60-50Hz	

Current	190-100mA	110-70mA
Casing		
Material	anodised aluminium	
Desktop (W × H × D)	210 × 44 × 210 mm	
Rack mount (W × H × D)	19" × 1 U × 210 mm	
Weight	approx. 1.1 kg	
Update		
Process	flash update via wizard	
Connection	1 × 2.5 mm jack plug	
Operating environment		
Temperature	+5 to +40 °C	
Air humidity	< 80% non-condensing	
Conformity	CE, RoHs	

TradeSwitch4

left: TradeSwitch4-USB - front view
right: TradeSwitch4-USB - rear view

	TradeSwitch4-USB	TradeSwitch4-PS/2
Keyboard/Mouse		
User console connections per unit	1	
Computer channels	4	
Switchable signals	USB keyboard/mouse, audio bidirectional, USB 2.0	PS/2 keyboard/mouse, audio
Computer connection	KM cable set	
Interfaces for user console		2 × Mini-DIN 6 socket
	2 × USB-A socket	
Monitor LED sets	4 × D-Sub 9 socket	
Interfaces to computer	4 × (1 x USB-B socket incl. USB 2.0)	4 × (2 × Mini-DIN 6 socket)
Audio		
Connection	analog	
Bandwidth	22 kHz	
Interfaces for user console	2 × 3.5 mm jack plug (line in + speaker)	1 × 3.5 mm jack plug (speaker)
Interfaces to computer	4 × (2 × 3.5 mm jack plug) (line in + line out)	4 × (1 x 3.5 mm jack plug) (line in)
Transparent USB 2.0		
Transmission range	5 m	
USB power supply	high power devices up to 500 mA	
USB transmission rate	up to 480 mbps	
Interfaces for user console	2 × USB-A socket	
Interfaces to computer	4 × (1 x USB-B socket incl. K/M)	
Power supply		
Type	internal power pack	
Connection	1 × IEC plug	
Voltage	AC100-240V/60-50Hz	
Current	180-100mA	120-80mA

Casing	
Material	anodised aluminium
Desktop (W × H × D)	270 × 44 × 210 mm
Rackmount (W × H × D)	19" × 1 U × 210 mm
Weight	approx. 1.5 kg
Update	
Material	flash update via wizard
Connection	1 × 2.5 mm jack plug
Operating environment	
Temperature	+5 to +40 °C
Air humidity	< 80% non-condensing
Conformity	CE, RoHs

TradeSwitch8

left:	TradeSwitch8-PS/2 - front view
right:	TradeSwitch8-PS/2 - rear view

	TradeSwitch8-USB	TradeSwitch8-PS/2
Keyboard/Mouse		
User console connections per unit	1	
Computer channels	8	
Switchable signals	USB keyboard/mouse, audio bidirectional, USB 2.0	PS/2 keyboard/mouse, audio
Computer connection	KM cable set	
Interfaces for user console		2 × Mini-DIN 6 socket
	2 × USB-A socket	
Monitor LED sets	8 × D-Sub 9 socket	
Interfaces to computer	8 × (1 x USB-B socket incl. USB 2.0)	8 × (2 × Mini-DIN 6 socket)
Audio		
Connection	analog	
Bandwidth	22 kHz	
Interfaces for user console	2 × 3.5 mm jack plug (line in + speaker)	1 × 3.5 mm jack plug (speaker)
Interfaces to computer	8 × (2 × 3.5 mm jack plug) (line in + line out)	8 × (1 x 3.5 mm jack plug) (line in)
Transparent USB 2.0		
Transmission range	5 m	
USB power supply	high power devices up to 500 mA	
USB transmission rate	up to 480 mbps	
Interfaces for user console	2 × USB-A socket	
Interfaces to computer	8 × (1 x USB-B socket (incl. K/M)	
Power supply		
Type	internal power pack	
Connection	1 × IEC plug	
Voltage	AC100-240V/60-50Hz	
Current	190-100mA	120-80mA

Casing	
Material	anodised aluminium
Desktop (W × H × D)	435 × 44 × 210 mm
Rackmount (W × H × D)	19" × 1 U × 210 mm
Weight	approx. 2.1 kg
Update	
Process	flash update via wizard
Connection	1 × 2.5 mm jack plug
Operating environment	
Temperature	+5 to +40 °C
Air humidity	< 80% non-condensing
Conformity	CE, RoHs

List of Item Numbers

Item No.	Description	DT	RM
A2100073	TradeSwitch2-PS/2	DT	
A2100074	TradeSwitch2-PS/2-RM		RM
A2100089	TradeSwitch2-USB	DT	
A2100090	TradeSwitch2-USB-RM		RM
A2100075	TradeSwitch4-PS/2	DT	
A2100076	TradeSwitch4-PS/2-RM		RM
A2100080	TradeSwitch4-USB	DT	
A2100081	TradeSwitch4-USB-RM		RM
A2100119	TradeSwitch8-PS/2	DT	RM
A2100118	TradeSwitch8-USB	DT	RM

ABBREVIATIONS

CPU	=	Computer module	M	=	Multimode
PC	=	Computer module	S	=	Singlemode
			RM	=	For assembly in a 19" rack
CON	=	User module	DT	=	Available as desktop variant
REM	=	User module	A	=	Audio
			AR	=	Audio + RS232
MC2	=	Multichannel 2	R	=	RS232
MC3	=	Multichannel 3	U	=	transparent USB 1.1
MC4	=	Multichannel 4	U2	=	transparent USB 2.0
			D	=	Delay

EQUIPMENT FEATURES

= modular setup		**FIRE** wire = Fire Wire	
= keyboard/mouse		**VT** 100 = VT100	
DVI DL = dual-link DVI video		**KVM** IP = KVM IP access	
DVI SL = single-link DVI video		**LAN** = Network connection	
P = DisplayPort 1.1		**WEB** If = Web interface	
DVI &VGA = single-link DVI + VGA		**DEV CON** support = DevCon support	
VGA = VGA video		**Moni** tor = Monitoring	
= Audio		**CAT** cable = CAT cable	
RS 232 = RS232		**Fiber** optics = Fiber optics	
USB 1.1 = USB 1.1			
USB 2.0 = USB 2.0		= Single user	
= Delay		= Multi user	
= Screen Freeze		= Separat local/remote user	
= Power Switching			