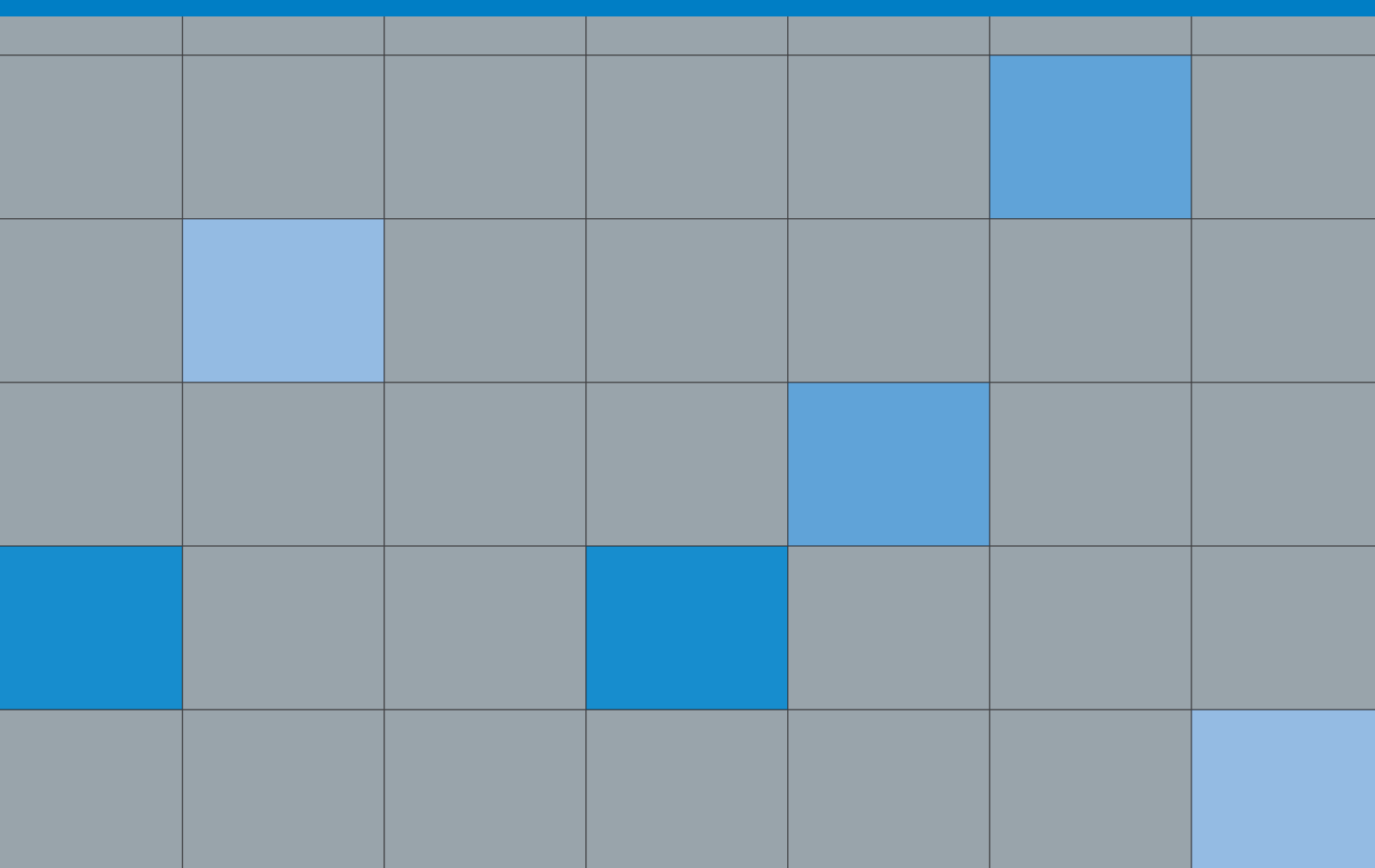


# KM Switches

# TradeSwitch 7.0

## KM Switches

Switches for the effective operation of multiple computers via one workstation





## 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

- bypasses video signals
- switches keyboard/mouse, audio, and transparent USB 2.0 signals
- highlights active channel using LEDs
- external switching over RS232 possible

## Features

### Device

- only accesses standard keyboard, mouse and audio 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  
right: TradeSwitch2-PS/2 - rear view

	TradeSwitch2-USB	TradeSwitch2-PS/2
<b>Keyboard/Mouse</b>		
User console connections per unit		1
Computer ports		2
Switchable signals	USB keyboard/mouse, audio, USB 2.0	PS/2 keyboard/mouse, audio
Computer connection	KM cable set	
Interfaces for user console		2 x Mini-DIN 6 socket
	2 x USB-A socket	
Monitor LED sets	2 x D-Sub 9 socket	
Interfaces to computer	2 x USB-B socket	2 x 2 x Mini-DIN 6 socket
<b>Audio</b>		
Connection	analog	
Bandwidth	22 kHz	
Interfaces for user console	2 x 3.5 mm jack plug (line in + speaker)	1 x 3.5 mm jack plug (speaker)
Interfaces to computer	2 x 2 x 3.5 mm jack plug (line in + line out)	2 x 3.5 mm jack plug (line in)
<b>Transparent USB 2.0</b>		
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 x USB-A socket	
Interfaces to computer	2 x USB-B socket	

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 x H x D)	210 x 44 x 210 mm	
Rack mount (W x H x D)	19" x 1 U x 210 mm	
Weight	approx. 1.1 kg	
Update		
Process	with wizard at service socket of computer module or user module	
Connection	1 x 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
<b>Keyboard/Mouse</b>		
User console connections per unit	1	
Computer ports	4	
Switchable signals	USB keyboard/mouse, audio, USB 2.0	PS/2 keyboard/mouse, audio
Computer connection	KM cable set	
Interfaces for user console	2 x Mini-DIN 6 socket	
	2 x USB-A socket	
Monitor LED sets	4 x D-Sub 9 socket	
Interfaces to computer	4 x USB-B socket	4 x 2 x Mini-DIN 6 socket
<b>Audio</b>		
Connection	analog	
Bandwidth	22 kHz	
Interfaces for user console	2 x 3.5 mm jack plug (line in + speaker)	1 x 3.5 mm jack plug (speaker)
Interfaces to computer	4 x 2 x 3.5 mm jack plug (line in + line out)	4 x 3.5 mm jack plug (line in)
<b>Transparent USB 2.0</b>		
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 x USB-A socket	
Interfaces to computer	4 x USB-B socket(also keyboard/mouse)	
<b>Power supply</b>		
Type	internal power pack	
Connection	1 x IEC plug	
Voltage	AC100-240V/60-50Hz	
Current	180-100mA	120-80mA

Casing	
Material	anodised aluminium
Desktop (W x H x D)	270 x 44 x 210 mm
Rackmount (W x H x D)	19" x 1 U x 210 mm
Weight	approx. 1.5 kg
Update	
Material	with wizard at service socket of computer module or user module
Connection	1 x 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
<b>Keyboard/Mouse</b>		
User console connections per unit	1	
Computer ports	8	
Switchable signals	USB keyboard/mouse, audio, USB 2.0	PS/2 keyboard/mouse, audio
Computer connection	KM cable set	
Interfaces for user console	2 x Mini-DIN 6 socket	
	2 x USB-A socket	
Monitor LED sets	8 x D-Sub 9 socket	
Interfaces to computer	8 x USB-B socket	8 x 2 x Mini-DIN 6 socket
<b>Audio</b>		
Connection	analog	
Bandwidth	22 kHz	
Interfaces for user console	2 x 3.5 mm jack plug (line in + speaker)	1 x 3.5 mm jack plug (speaker)
Interfaces to computer	8 x 2 x 3.5 mm jack plug (line in + line out)	8 x 3.5 mm jack plug (line in)
<b>Transparent USB 2.0</b>		
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 x USB-A socket	
Interfaces to computer	8 x USB-B socket (also keyboard/mouse)	
<b>Power supply</b>		
Type	internal power pack	
Connection	1 x IEC plug	
Voltage	AC100-240V/60-50Hz	
Current	190-100mA	120-80mA

Casing	
Material	anodised aluminium
Desktop (W x H x D)	435 x 44 x 210 mm
Rackmount (W x H x D)	19" x 1 U x 210 mm
Weight	approx. 2.1 kg
Update	
Process	with wizard at service socket of computer module or user module
Connection	1 x 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

## Legend

### ABBREVIATIONS

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

### EQUIPMENT FEATURES

 = keyboard/mouse	 = VT100
 = dual-link DVI video	 = KVM IP access
 = single-link DVI video	 = Network connection
 = single-link DVI + VGA	 = Web interface
 = VGA video	 = DevCon support
 = Audio	 = Monitoring
 = RS232	 = CAT cable
 = USB 1.1	 = Fiber optics
 = USB 2.0	 = Single user
 = Delay	 = Multi user
 = Screen Freeze	 = Separat local/remote user
 = Power Switching	
 = Fire Wire	