



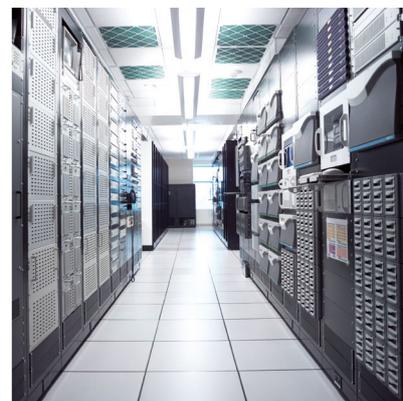
KM-Switches

KVM switches

Switches for the effective operation of multiple computers via one workstation

TradeSwitch

**Katalog
V7.5**



G&D IF IT'S KVM



The company

Experience the whole world of

KVM

G&D IF IT'S KVM

Guntermann & Drunk is regarded as a leading manufacturer of KVM equipment used in control rooms in air traffic control, broadcast studios, on ships and to monitor industrial processes.

With a powerful portfolio consisting of KVM extenders, switches and matrix switches, G&D's users get real added value. G&D provides the broadest KVM product portfolio at the market. Even with different features, all G&D products are compatible and can be combined. Our KVM solutions optimise the application of IT equipment and improve the working conditions for humans and computers.

No matter where KVM devices are installed, there's always one main requirement - robust, reliable, user-friendly and easy to operate KVM systems that can be adapted to future requirements and grow with your demands.

By short lines of communication G&D is able to solve challenging requirements and tailor systems to our customers' needs. We keep direct contact to our customers and are personally available. We are proactive and always keep an eye on the trends in the industry. Functionalities required by our customers are quickly implemented into our products. Our success can only be measured with our customers' satisfaction.

Trust in G&D for your optimal KVM solution.

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

- Switches keyboard/mouse, audio, and transparent USB 2.0 signals
- 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 is available for the following KVM-Switches:

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



CrossDisplay-Switching

Features

Device

- Only accesses standard keyboard, mouse, audio 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 optional special LEDs that can be placed on the monitors highlight the accessed computers

System upgrade

- Update by flash upgrade at device

Varianten

Design

- Available as desktop (DT) or rack mount (RM) variant

Expansion

Attach the optional LED sets to the monitors. This facilitates locating the monitor (computer) to which the keyboard/mouse focus is switched to.

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.

TradeSwitch2



TradeSwitch2-USB - front view



TradeSwitch2-USB - rear view

	TradeSwitch2-USB
Keyboard/Mouse	
User console connections per unit	1
Computer channels	2
Switchable signals	USB-Keyboard/Mouse, Audio bidirektional, USB 2.0
Computer connection	KM cable set
Interfaces for user console	2 × USB-A socket
Monitor LED sets	2 × D-Sub 9 socket
Interfaces to computer	2 × (1x USB-B socket incl. USB 2.0)
Audio	
Connection	analog
Bandwidth	22 kHz
Interfaces for user console	2 × 3.5 mm jack plug (line in + speaker)
Interfaces to computer	2 × (2 × 3.5 mm jack plug) (line in + line out)
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
Casing	
Material	anodised aluminium
Desktop (W × H × D)	210 x 44 x 210 mm
Rack mount (W × H × D)	19" x 1 HE x 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



TradeSwitch4-USB - front view



TradeSwitch4-USB - rear view

	TradeSwitch4-USB
Keyboard/Mouse	
User console connections per unit	1
Computer channels	4
Switchable signals	USB keyboard/mouse, audio bidirectional, USB 2.0
Computer connection	KM cable set
Interfaces for user console	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)
Audio	
Connection	analog
Bandwidth	22 kHz
Interfaces for user console	2 × 3.5 mm jack plug (line in + speaker)
Interfaces to computer	4 × (2 × 3.5 mm jack plug) (line in + line out)
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
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



TradeSwitch8-USB - front view



TradeSwitch8-USB - 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 × USB-A socket	2 × Mini-DIN 6 socket
Monitor LED sets	8 × D-Sub 9 socket	
Interfaces to computer	8 × (1 × 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 × 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 × 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
Gehäuse		
Material	anodised aluminium	
Desktop (BxHxT)	435 × 44 × 210 mm	
Rackmount (BxHxT)	19" × 1 U × 210 mm	
Gewicht	approx. 2.1 kg	
Update		
Verfahren	flash update via wizard	
Anschluss	1 × 2.5 mm jack plug	
Einsatzbedingungen		
Temperatur	+5 to +40 °C	
Luftfeuchte	< 80% non-condensing	
Konformität	CE, RoHs	

List of item numbers

Item Nr.	Description	DT	RM
A2100089	TradeSwitch2-USB	DT	
A2100090	TradeSwitch2-USB-RM		RM
A2100080	TradeSwitch4-USB	DT	
A2100081	TradeSwitch4-USB-RM		RM
A2100119	TradeSwitch8-PS/2	DT	RM
A2100118	TradeSwitch8-USB	DT	RM

Item Nr.	Description
A6100168	TS-LED-blue-2
A6100169	TS-LED-blue-3
A6100170	TS-LED-blue-5
A6100173	TS-LED-blue-R-2 - usage for digital extenders (RS232 interface)
A6100172	TS-LED-blue-R-3 - usage for digital extenders (RS232 interface)
A6100171	TS-LED-blue-R-5 - usage for digital extenders (RS232 interface)

Legend

ABBREVIATIONS

CPU = Computer module
 PC = Computer module
 CON = Console module
 REM = Console module

 MC2 = Multi-channel 2
 MC3 = Multi-channel 3
 MC4 = Multi-channel 4

M = Multimode
 S = Singlemode
 S+ = Singlemode+

 RM = For assembly in a 19" rack
 Desktop device
 DT = Desktop device
 DP = DisplayPort™

A = Audio
 R = RS232
 U = Integr. USB 2.0 up to
 16 MBit/s
 U2 = Transp. USB 2.0 Hi-Speed
 480 Mbit/s
 D = Delay

EQUIPMENT FEATURES

 Audio	 High Definition Multimedia Interface	 Power switching
 CAT cable	 Keyboard/Mouse	 Remote IP
 Compact setup	 KVM-over-IP™	 RS232
 CrossDisplay-Switching	 Media control	 Screen-Freeze
 Delay	 Mix & Match	 Separate local/remote user
 DisplayPort™	 Modular setup	 Single user
 DVI dual link video	 Monitoring	 USB 2.0
 DVI single link video	 Multi user	 USB 3.0
 Expansion	 Multi-channel video	 VGA video
 Fiber optics	 Network connection	 Web Interface

COLOUR CATEGORY

 KVM extenders	 Digital KVM matrix systems	 Monitoring & SNMP
 KVM switches	 Digital signage	 KVM MultiPower
 Analog KVM matrix systems	 KVM add-ons	 Accessories

From professionals to professionals:

Trust in our professional solutions - from planning through to aftersales support.

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