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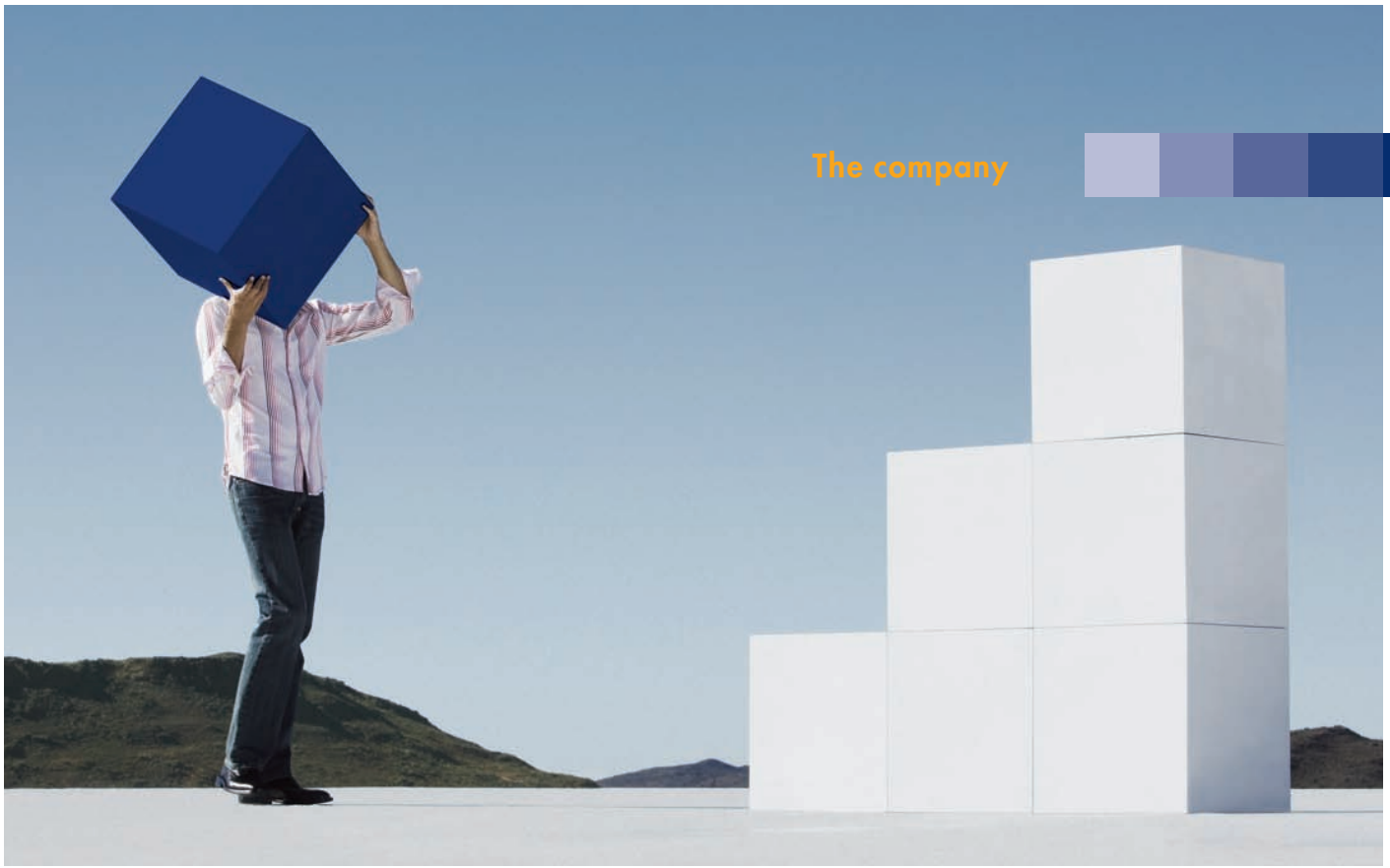
Guntermann & Drunck GmbH

VGA KVM Switches

TripleMUX & QuadMUX 7.0

KVM 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 KVM Switches TripleMUX and QuadMUX enable you to operate four computers over one user console.

Triple- and QuadMUX switch the following signals:

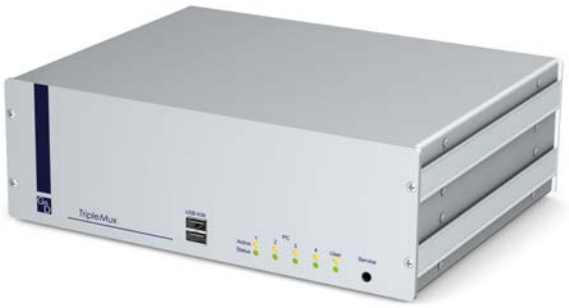
- keyboard/mouse
- VGA

The devices are offered exclusively as multi-channel variants.

- TripleMUX - with 3 video channels per computer
- QuadMUX - with 4 video channels per computer

The video sources of the connected computers enable combinations across all computers (scenarios).
The scenarios can be stored within the switch and recalled by pressing a hotkey.

A working system consists of a switch and the required computer connection cable sets.



TripleMUX front view

Highlights

Scenario switching
TripleMUX and QuadMUX provide just as many connections on console and user side as miniMUX4-MC3 + MC4 devices. The most important difference between the units are their switching options.

miniMUX variants switch all video sources of one single computer simultaneously. TripleMUX and QuadMUX, however, combine the video sources from different computers.

These combinations (scenarios) can be retrieved using hotkeys. The correct information mix will be available immediately on three or four monitors. The scenarios are defined in the OSD AdonIS of the TripleMUX and QuadMUX. The computer to which the keyboard is switched by default in that scenario is also defined here.

This assignment can be cancelled. Hotkeys can be used to switch keyboard or mouse on each of the other computers within the scenario.

Features

Device
- switches 12 (QuadMUX = 16) video inputs from four computers to three (four) video outputs
- stores up to eight video combinations as scenarios that can be immediately displayed over hotkey/OSD
- only accesses standard keyboard/video/mouse interfaces
- permanent keyboard/mouse emulation for each channel
- available as desktop and 19“ variant
- can be cascaded with miniMUX4
- no software installation required
- can be combined with all G&D products
- hot-pluggable
- password protection and rights assignment for each user

Video
- VGA resolution 1920 × 1440 @ 75 Hz
- video bandwidth VGA up to 400 MHz

System upgrade
- update by flash upgrade at device

Variants

Design
- available as desktop (DT) or rack mount (RM) variant

Expansion

Triple- and QuadMUX are fully equipped.
There are no expansions available for these products.

Installation

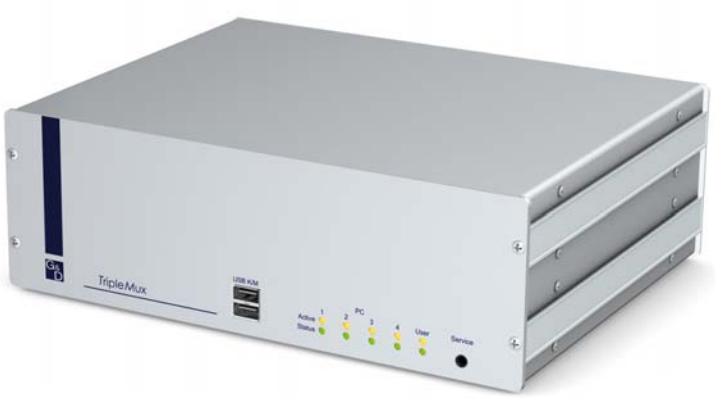
Connect the computer to the back side of the switch. Standard VGA cables and a G&D triplex cable for 1 × keyboard, video, and mouse link the computers to the switch.

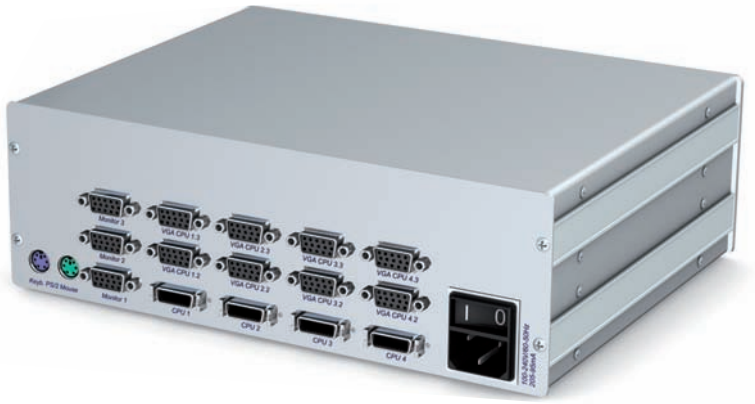
The PS/2 cable sets are available in the following lengths:
2 m, 4 m, 6 m

Connect keyboard, monitors, and mouse to the corresponding interfaces of the user console.

Feel free to download the Triple- & QuadMUX manual to find out more details about the start-up.

TripleMUX & QuadMUX





left: DL-MUX4 - front view
right: DL-MUX4 - rear view

	TripleMUX	QuadMUX
Video		
User console connection per device	1	
Signal type/video	analog video	
Resolution	up to 1920 × 1440 @ 75 Hz	
Bandwidth	up to 400 MHz	
Video sources per computer	3	4
Computer connection	KVM cable set	
Computer ports	4	
Interfaces for user console	3 × D-Sub HD 15 socket	4 × D-Sub HD 15 socket
Interfaces to computer (KVM)	4 × MDR20 socket	
Additional video	4 × 2 × D-Sub HD 15 socket	4 × 3 × D-Sub HD 15 socket
Keyboard/Mouse		
Interfaces for user console	2 × Mini-DIN 6 socket	
	2 × USB-A socket	
Interfaces to computer (KVM)	4 × MDR20 socket	
Power supply		
Type	internal power pack	
Connection	IEC plug	
Voltage	AC100-240V/60-50Hz	
	0.21-0.1A	0.24-0.11A
Casing		
Material	anodised aluminium	
Desktop (W × H × D)	270 × 66 × 210 mm	270 × 88 × 210 mm
Rackmount (W × H × D)	19" × 1.5 U × 210 mm	19" × 2 U × 210 mm
Weight	approx. 1.9 kg	
Update		
Process	local service socket	
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
A2100044	TripleMUX	DT	
A2100045	TripleMUX-RM		RM
A2100046	QuadMUX	DT	
A2100047	QuadMUX-RM		RM

ABBREVIATIONS

CPU = Computer module
PC = Computer module

CON = User module
REM = User module

MC2 = Multichannel 2
MC3 = Multichannel 3
MC4 = Multichannel 4

M = Multimode
S = Singlemode
RM = For assembly in a 19“ rack

A = Audio
AR = Audio + RS232
R = RS232
U = transparent USB 1.1
U2 = transparent USB 2.0
D = Delay

EQUIPMENT FEATURES

 = keyboard/mouse

= dual-link DVI video

= single-link DVI video

= single-link DVI + VGA

= VGA video

 = Audio

= RS232

= USB 1.1

= USB 2.0

 = Delay

 = Screen Freeze

 = Power Switching

= Fire Wire

= VT100

= KVM IP access

= Network connection

= Web interface

= DevCon support

= Monitoring

= CAT cable

= Fiber optics

 = Single user

 = Multi user

 = Separat local/remote user