

KVM Connectivity

6.1

KVM Connectivity

Connection technology, transmission cables, converter and adapter for KVM products.



Guntermann & Drunck GmbH
Dortmunder Straße 4a
D-57234 Wilnsdorf

Telephone +49 (0) 2739 8901-100
Fax +49 (0) 2739 8901-120

sales@GDsys.de
www.GDsys.de

Intelligent solutions

Guntermann & Drunck GmbH was founded in 1985 by the people that gave the company its name.

Over 20 years have since past, and we are now a leading manufacturer of analogue and digital KVM switching systems.

As an owner-managed company we work closely with the marketplace and take our decisions with and in the interests of our customers. It is our philosophy to meet our customers en route to 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 also have all core competencies available in-house - from development through to production. This way we can even make the impossible possible at times. Whether this 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 around.

Organisations, service providers and companies of all sizes in the management of 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 varied. They need to offer a long service life, and have to be secure, uncomplicated, user-friendly, understandable and adaptable.

Contents

Computer connection cables	6
KVM extension cables	14
Device cables	15
Particular cables	18
Video cables	19
Keyboard-mouse cables	20
Serial cables	21
Audio cables	21
USB cables	22
Power supply cables	23
Ready-made cables	24
Adapters (passive)	30
Converters (active)	32

Taric Codes

Devices:	85176200
----------	----------

Cables:	85442000
---------	----------

Waste Electrical and Electronic Equipment

WEEE reg no.	DE30763240
--------------	------------

The KVM Connectivity enables embedding of KVM products, proper connection of computers and servers to KVM components, their interconnection and the signal transmission via different media and distances.

Due to the variety of signals in the IT sector and the corresponding connection options, the KVM products cannot directly support all signal types. To be able to offer a wide range despite those issues, we do not only provide the necessary connection and transmission cables but we also offer the appropriate converters and adapters which can be used to integrate even "exotic devices" into your KVM solution.

The high quality of standard and ready-made cables provides an easy handling during installation and a safe operation even under great strain.

The KVM Connectivity is divided into different groups:

Connection cables

The G&D connection cables are available in different variants:

- single cables
- combined cables (combined to one cable string)
- cable sets (consisting of several single cables)

The following cable types are counted among connection cables:

- computer connection cables
- KVM extension cables
- device cables
- particular cables
- video cables
- keyboard/mouse cables
- serial cables
- audio cables
- USB cables
- power supply cables

Ready-made cables

G&D ready-made cables are manufactured according to the desired cable length. G&D provides a number of ready-made cables, which are made out of the following cable types:

- multi-coaxial cables (copper)
- category cables (CAT5 - 7)
- optical fibres

Adapters (passive)

The G&D adapters physically convert non-compatible interfaces.

Converters (active)

The G&D converters change keyboard signals to the PS/2 protocol and video signals to VGA standard.

The conversion is carried out actively. Existing hardware can therefore be integrated and the user has the continuing ability to work with familiar devices like special keyboards etc.

KVM Connectivity

The G&D computer connection cables connect computers or servers to KVM products via their standard interfaces.

Due to the high-quality of the cables, several metres can be bridged passively.

They are available as combined cables, single cables or cable sets.

Computer connection cable, standard CCP-x KVM combined cable for connecting a computer via its PS/2 and VGA interfaces.			computer side			
				device side		
			D-Sub 25 plug			
						
description	cable length	article number				
CCP10	1 m	A610 0001				
CCP20	2 m	A610 0002				
CCP40	4 m	A610 0003				
CCP60	6 m	A610 0004				

Computer connection cable, standard CPU-x KVM combined cable for connecting a computer via its PS/2 and VGA interfaces.			computer side			
				device side		
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						
						

KVM combined cable for connecting a computer via its USB and VGA interfaces.

description	cable length	article number
CPU-USB 2	2 m	A610 0058
CPU-USB 4	4 m	A610 0059

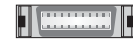
device side computer side



D-Sub HD 15 plug, no PIN 9



USB A plug



MDR 20 plug



KVM combined cable for connecting a computer via its PS/2 and VGA interfaces.

description	cable length	article number
PC-Set-10	1 m	A610 0016
PC-Set-20	2 m	A610 0017
PC-Set-40	4 m	A610 0019
PC-Set-60	6 m	A610 0021

device side computer side



D-Sub HD 15 plug, no PIN 9



Mini-DIN 6 plug



Mini-DIN 6 plug



D-Sub HD 15 plug, no PIN 9



D-Sub HD 15 socket



CAT-7 single cable for connecting a computer via the target modules CATpro and CATpro2.

description	cable length	article number
PRO-1	1 m	A630 0044
PRO-2	2 m	A630 0045
PRO-3	3 m	A630 0046
PRO-5	5 m	A630 0047

side A side B



RJ45 plug

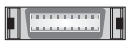
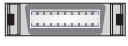


RJ45 plug



description	cable length	article number
PRO-7	7 m	A630 0048
PRO-10	10 m	A630 0055
PRO-15	15 m	A630 0049
PRO-20	20 m	A630 0050

KVM Connectivity

Computer connection cable set CPU-MC2-P-x Cable set for connecting a computer with dual graphics card via its PS/2 and VGA interfaces.			computer side device side  D-Sub HD 15 plug, without PIN 9  Mini-DIN 6 plug  Mini-DIN 6 plug  MDR 20 plug  CPU-x	computer side device side  D-Sub HD 15 plug, without PIN 9  D-Sub HD 15 plug, no PIN 9  VGA-M/M-x
Computer connection cable set CPU-MC2-U-x Cable set for connecting a computer with dual graphics card via its USB and VGA interfaces.			computer side device side  D-Sub HD 15 plug, no PIN 9  USB A plug  MDR 20 plug  CPU-USB x	computer side device side  D-Sub HD 15 plug, no PIN 9  D-Sub HD 15 plug, no PIN 9  VGA-M/M-x
Computer connection cable set CPU-MC3-P-x Cable set for connecting a computer with triple graphics card via its PS/2 and VGA interfaces.			computer side device side  D-Sub HD 15 plug, no PIN 9  Mini-DIN 6 plug  Mini-DIN 6 plug  MDR 20 plug  CPU-x	computer side device side  D-Sub HD 15 plug, no PIN 9  D-Sub HD 15 plug, no PIN 9  2x VGA-M/M-x

Computer connection cable set CPU-MC3-U-x Cable set for connecting a computer with triple graphics card via its USB and VGA interfaces.			computer side	 D-Sub HD 15 plug, no PIN 9	 USB A plug	device side	 MDR 20 plug	 D-Sub HD 15 plug, no PIN 9
description	cable length	article number		 CPU-USB x	 2 x VGA-M/M-x			
CPU-MC3-U-2	2 m	A610 0075						
CPU-MC3-U-4	4 m	A610 0076						

Computer connection cable set CPU-MC4-P-x Cable set for connecting a computer with quad graphics card via its PS/2 and VGA interfaces.			computer side	 D-Sub HD 15 plug, no PIN 9	 Mini-DIN 6 socket	 Mini-DIN 6 socket	device side	 D-Sub HD 15 plug, no PIN 9
				 MDR 20 plug	 3 x VGA-M/M-x			
			 CPU-x					
description	cable length	article number						
CPU-MC4-P-2	2 m	A610 0077						
CPU-MC4-P-4	4 m	A610 0078						
CPU-MC4-P-6	6 m	A610 0079						

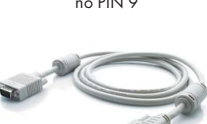
Computer connection cable set CPU-MC4-U-x Cable set for connecting a computer with quad graphics card via its USB and VGA interfaces.			computer side	 D-Sub HD 15 plug, no PIN 9	 USB A plug	device side	 D-Sub HD 15 plug, no PIN 9	
				 MDR 20 plug	 D-Sub HD 15 plug, no PIN 9			
description cable length article number				 CPU-USB x			3 x  VGA-M/M-x	
CPU-MC4-U-2 2 m A610 0080								
CPU-MC4-U-4 4 m A610 0081								

KVM Connectivity

Cable set CPU-DVID-P-x Cable set for connecting a computer via its PS/2, DVI-D and audio interfaces.			side B				
			side A				
							
				DVI-D-SL-M/M-x	Audio-M/M-x mit Ferrit	PS/2-M/M-x green	PS/2-M/M-x purple
description	cable length	article number					
CPU-DVID-P-2	2 m	A610 0082					
CPU-DVID-P-5	5 m	A610 0083					

Cable set CPU-DVIA-P-x Cable set for connecting a computer via its PS/2, VGA and audio interfaces.			side B				
			side A				
							
				VGA-M/DVI-A-M-x	Audio-M/M-x mit Ferrit	PS/2-M/M-x green	PS/2-M/M-x purple
description	cable length	article number					
CPU-DVIA-P-2	2 m	A610 0084					
CPU-DVIA-P-5	5 m	A610 0085					

Cable set CPU-DVID-U-x Cable set for connecting a computer via its USB, DVI-D and audio interfaces.			side B			
			side A			
						
				DVI-D-SL-M/M-x	2 x Audio-M/M-x mit Ferrit	USB AM/BM-x
description	cable length	article number				
CPU-DVID-U-2	2 m	A610 0086				
CPU-DVID-U-5	5 m	A610 0087				

Cable set CPU-DVIA-U-x Cable set for connecting a computer via its USB, VGA and audio interfaces.			side B			
			side A			
						
				VGA-M/DVI-A-M-x	2 x Audio-M/M-x mit Ferrit	USB AM/BM-x
description	cable length	article number				
CPU-DVIA-U-2	2 m	A610 0088				
CPU-DVIA-U-5	5 m	A610 0089				

Cable set CPU-MC2-DVID-P-x Cable set for connecting a computer with dual graphics card via its PS/2, DVI-D and audio interfaces.			side B	 DVI-D (Single Link) plug	 3,5 mm jack	 Mini-DIN 6 plug	 Mini-DIN 6 plug
			side A	 DVI-D (Single Link) plug	 3,5 mm jack	 Mini-DIN 6 plug	 Mini-DIN 6 plug
description	cable length	article number		 2 x DVI-D-SL-M/M-x	 Audio-M/M-x with ferrite	 PS/2-M/M-x green	 PS/2-M/M-x purple
CPU-MC2-DVID-P-2	2 m	A610 0090					
CPU-MC2-DVID-P-5	5 m	A610 0091					

Cable set CPU-MC2-DVIA-P-x Cable set for connecting a computer with dual graphics card via its PS/2, VGA and audio interfaces.			side B	 DVI-A plug	 3,5 mm jack	 Mini-DIN 6 plug	 Mini-DIN 6 plug
			side A	 D-Sub HD 15 plug, no PIN 9	 3,5 mm jack	 Mini-DIN 6 plug	 Mini-DIN 6 plug
description	cable length	article number		 2 x VGA-M/DVI-A-M-x	 Audio-M/M-x mit Ferrit	 PS/2-M/M-x green	 PS/2-M/M-x purple
CPU-MC2-DVIA-P-2	2 m	A610 0092					
CPU-MC2-DVIA-P-5	5 m	A610 0093					

Cable set CPU-MC2-DVID-U-x Cable set for connecting a computer with dual graphics card via its USB, DVI-D and audio interfaces.			side B	 DVI-D (Single Link) plug	 3,5 mm jack	 USB B plug
			side A	 DVI-D (Single Link) plug	 3,5 mm jack	 USB A plug
description	cable length	article number		 2 x DVI-D-SL-M/M-x	 2 x Audio-M/M-x mit Ferrit	 USB AM/BM-x
CPU-MC2-DVID-U-2	2 m	A610 0094				
CPU-MC2-DVID-U-5	5 m	A610 0095				

Cable set CPU-MC2-DVIA-U-x Cable set for connecting a computer with dual graphics card via its USB, VGA and audio interfaces.			side B	 DVI-A plug	 3,5 mm jack	 USB B plug
			side A	 D-Sub HD 15 plug, no PIN 9	 3,5 mm jack	 USB A plug
description	cable length	article number		 2 x VGA-M/DVI-A-M-x	 2 x Audio-M/M-x mit Ferrit	 USB AM/BM-x
CPU-MC2-DVIA-U-2	2 m	A610 0096				
CPU-MC2-DVIA-U-5	5 m	A610 0097				

KVM Connectivity

Cable set CPU-MC3-DVID-P-x Cable set for connecting a computer with triple graphics card via its PS/2, DVI-D and audio interfaces.			side B				
			side A				
description cable length article number							
CPU-MC3-DVID-P-2				3 x			
				DVI-D-SL-M/M-x	Audio-M/M-x mit Ferrit	PS/2-M/M-x green	PS/2-M/M-x purple
CPU-MC3-DVID-P-5							

Cable set CPU-MC3-DVIA-P-x Cable set for connecting a computer with triple graphics card via its PS/2, VGA and audio interfaces.			side B				
			side A				
description cable length article number							
CPU-MC3-DVIA-P-2				3 x			
				VGA-M/DVI-A-M-x	Audio-M/M-x mit Ferrit	PS/2-M/M-x green	PS/2-M/M-x purple
CPU-MC3-DVIA-P-5							

Cable set CPU-MC3-DVID-U-x Cable set for connecting a computer with triple graphics card via its USB, DVI-D and audio interfaces.			side B			
			side A			
description cable length article number						
CPU-MC3-DVID-U-2				3 x	2 x	
				DVI-D-SL-M/M-x	Audio-M/M-x mit Ferrit	USB AM/BM-x
CPU-MC3-DVID-U-5						

Cable set CPU-MC3-DVIA-U-x Cable set for connecting a computer with triple graphics card via its USB, VGA and audio interfaces.			side B			
			side A			
description cable length article number						
CPU-MC3-DVIA-U-2				3 x	2 x	
				VGA-M/DVI-A-M-x	Audio-M/M-x mit Ferrit	USB AM/BM-x
CPU-MC3-DVIA-U-5						

Cable set CPU-MC4-DVID-P-x		
Cable set for connecting a computer with quad graphics card via its PS/2, DVI-D and audio interfaces.		
description	cable length	article number
CPU-MC4-DVID-P-2	2 m	A610 0106
CPU-MC4-DVID-P-5	5 m	A610 0107

side B		DVI-D (Single Link) plug		3,5 mm jack		Mini-DIN 6 plug		Mini-DIN 6 plug
		DVI-D (Single Link) plug		3,5 mm jack		Mini-DIN 6 plug		Mini-DIN 6 plug
side A		4 x DVI-D-SL-M/M-x		Audio-M/M-x mit Ferrit		PS/2-M/M-x green		PS/2-M/M-x purple

Cable set CPU-MC4-DVIA-P-x		
Cable set for connecting a computer with quad graphics card via its PS/2, VGA and audio interfaces.		
description	cable length	article number
CPU-MC4-DVIA-P-2	2 m	A610 0108
CPU-MC4-DVIA-P-5	5 m	A610 0109

side B				
	DVI-A plug	3,5 mm jack	Mini-DIN 6 plug	Mini-DIN 6 plug
side A				
	D-Sub HD 15 plug, no PIN 9	3,5 mm jack	Mini-DIN 6 plug	Mini-DIN 6 plug
				
4 x VGA-M/DVI-A-M-x		Audio-M/M-x mit Ferrit	PS/2-M/M-x green	PS/2-M/M-x purple

Cable set CPU-MC4-DVID-U-x		
Cable set for connecting a computer with quad graphics card via its USB, DVI-D and audio interfaces.		
description	cable length	article number
CPU-MC4-DVID-U-2	2 m	A610 0110
CPU-MC4-DVID-U-5	5 m	A610 0111

side B		DVI-D (Single Link) plug
		DVI-D (Single Link) plug
side A		4 x DVI-D-SL-M/M-x
		3,5 mm jack
		3,5 mm jack
		2 x Audio-M/M-x mit Ferrit
		USB B plug
		USB A plug
		USB AM/BM-x

Cable set CPU-MC4-DVIA-U-x		
Cable set for connecting a computer with quad graphics card via its USB, VGA and audio interfaces.		
description	cable length	article number
CPU-MC4-DVIA-U-2	2 m	A610 0112
CPU-MC4-DVIA-U-5	5 m	A610 0113

side B		DVI-A plug
		D-Sub HD 15 plug, no PIN 9
side A		4 x VGA-M/DVI-A-M-x
		2 x Audio-M/M-x mit Ferrit

	USB B plug
	USB A plug
	USB AM/BM-x

KVM Connectivity

The G&D KVM extension cables serve to passively extend the KVM interfaces.

They are available as single cables or cable sets.

Due to the high-quality of the cables, several metres can be bridged passively.

KVM extension cable PS/2-M/F-x Single cables for extending the PS/2 keyboard or mouse connection.			computer side	 Mini-DIN 6 plug	
			device side	 Mini-DIN 6 socket	
description cable length article number					
PS/2-M/F-2 2 m A630 0018					
PS/2-M/F-5 5 m A630 0019					

KVM extension cable VGA-M/F-x Single cables for extending des VGA connection.			computer side	 D-Sub HD 15 plug, no PIN 9	
			device side	 D-Sub HD 15 socket	
description cable length article number					
VGA-M/F-2 2 m A630 0008					
VGA-M/F-5 5 m A630 0009					

KVM extension cable User-Set-x Cable set for extending the PS/2 and VGA connections of a computer.			computer side	 Mini-DIN 6 plug	 D-Sub HD 15 plug, no PIN 9
			device side	 Mini-DIN 6 socket	 D-Sub HD 15 socket
description cable length article number					
User-Set-2 2 m A610 0035			2 x  PS/2-M/F-x  VGA-M/F-x		
User-Set-5 5 m A610 0036					

Device cable

Die G&D device cables serve to interconnect G&D products.
They are available as single cables or cable sets.

Due to the high-quality of the cables, several metres can be bridged passively.

Device cable set **CC4-BUS-V-x**

Cable set consisting of multi-coaxial bus cables for connecting a ControlCenter 4-n with an expansion module ControlCenter 4-E.

Cable lengths from 1 to 15 m are possible.

side B
side A



D-Sub 15 socket



D-Sub 15 plug

4 x



description	cable length	article number
CC4-BUS-V-1	1 m	A620 0031
CC4-BUS-V-2	2 m	A620 0032
CC4-BUS-V-3	3 m	A620 0033
CC4-BUS-V-4	4 m	A620 0034
CC4-BUS-V-5	5 m	A620 0035
CC4-BUS-V-6	6 m	A620 0036
CC4-BUS-V-7	7 m	A620 0037
CC4-BUS-V-8	8 m	A620 0038

description	cable length	article number
CC4-BUS-V-9	9 m	A620 0039
CC4-BUS-V-10	10 m	A620 0040
CC4-BUS-V-11	11 m	A620 0041
CC4-BUS-V-12	12 m	A620 0042
CC4-BUS-V-13	13 m	A620 0043
CC4-BUS-V-14	14 m	A620 0044
CC4-BUS-V-15	15 m	A620 0045

Device cable set **CC4-BUS-M-x**

Cable set consisting of multi-coaxial bus cables for connecting a ControlCenter 4-n with an expansion module ControlCenter 4-E.

Cable lengths from 16 to 30 m are available.

side B
side A



D-Sub 15 socket



D-Sub 15 plug

4 x



description	cable length	article number
CC4-BUS-M-16	16 m	A620 0046
CC4-BUS-M-17	17 m	A620 0047
CC4-BUS-M-18	18 m	A620 0048
CC4-BUS-M-19	19 m	A620 0049
CC4-BUS-M-20	20 m	A620 0050
CC4-BUS-M-21	21 m	A620 0051
CC4-BUS-M-22	22 m	A620 0052
CC4-BUS-M-23	23 m	A620 0053

description	cable length	article number
CC4-BUS-M-24	24 m	A620 0054
CC4-BUS-M-25	25 m	A620 0055
CC4-BUS-M-26	26 m	A620 0056
CC4-BUS-M-27	27 m	A620 0057
CC4-BUS-M-28	28 m	A620 0058
CC4-BUS-M-29	29 m	A620 0059
CC4-BUS-M-30	30 m	A620 0060

KVM Connectivity

Device connection cable set **CC8-BUS-V-x**

Cable set consisting of multi-coaxial bus cables for connecting a ControlCenter 8-n with an expansion module ControlCenter 8-E.

Cable lengths from 1 to 15 m are possible.

side B

side A



D-Sub 15 socket



D-Sub 15 plug

8 x



description	cable length	article number
CC8-BUS-V-1	1 m	A620 0061
CC8-BUS-V-2	2 m	A620 0062
CC8-BUS-V-3	3 m	A620 0063
CC8-BUS-V-4	4 m	A620 0064
CC8-BUS-V-5	5 m	A620 0065
CC8-BUS-V-6	6 m	A620 0066
CC8-BUS-V-7	7 m	A620 0067
CC8-BUS-V-8	8 m	A620 0068

description	cable length	article number
CC8-BUS-V-9	9 m	A620 0069
CC8-BUS-V-10	10 m	A620 0070
CC8-BUS-V-11	11 m	A620 0071
CC8-BUS-V-12	12 m	A620 0072
CC8-BUS-V-13	13 m	A620 0073
CC8-BUS-V-14	14 m	A620 0074
CC8-BUS-V-15	15 m	A620 0075

Device connection cable set **CC8-BUS-M-x**

Cable set consisting of multicoax bus cables for connecting a ControlCenter 8-n with an expansion module ControlCenter 8-E.

Cable lengths from 16 to 30 m are possible.

side B

side A



D-Sub 15 socket



D-Sub 15 plug

8 x



description	cable length	article number
CC8-BUS-M-16	16 m	A620 0076
CC8-BUS-M-17	17 m	A620 0077
CC8-BUS-M-18	18 m	A620 0078
CC8-BUS-M-19	19 m	A620 0079
CC8-BUS-M-20	20 m	A620 0080
CC8-BUS-M-21	21 m	A620 0081
CC8-BUS-M-22	22 m	A620 0082
CC8-BUS-M-23	23 m	A620 0083

description	cable length	article number
CC8-BUS-M-24	24 m	A620 0084
CC8-BUS-M-25	25 m	A620 0085
CC8-BUS-M-26	26 m	A620 0086
CC8-BUS-M-27	27 m	A620 0087
CC8-BUS-M-28	28 m	A620 0088
CC8-BUS-M-29	29 m	A620 0089
CC8-BUS-M-30	30 m	A620 0090

Device connection cable **CC-BUS-V-x**

Single cable of the before mentioned connection cable set of ControlCenters.

Cable lengths from 1 to 15 m are possible.

side B

side A



D-Sub 15 socket



D-Sub 15 plug



description	cable length	article number
CC-BUS-V-1	1 m	A620 0001
CC-BUS-V-2	2 m	A620 0002
CC-BUS-V-3	3 m	A620 0003
CC-BUS-V-4	4 m	A620 0004
CC-BUS-V-5	5 m	A620 0005
CC-BUS-V-6	6 m	A620 0006
CC-BUS-V-7	7 m	A620 0007
CC-BUS-V-8	8 m	A620 0008

description	cable length	article number
CC-BUS-V-9	9 m	A620 0009
CC-BUS-V-10	10 m	A620 0010
CC-BUS-V-11	11 m	A620 0011
CC-BUS-V-12	12 m	A620 0012
CC-BUS-V-13	13 m	A620 0013
CC-BUS-V-14	14 m	A620 0014
CC-BUS-V-15	15 m	A620 0015

Device connection cable **CC-BUS-M-x**

Single cable of the before mentioned connection cable set of the ControlCenters.

Cable lengths from 16 to 30 m are possible.

side B

side A



D-Sub 15 socket



D-Sub 15 plug



description	cable length	article number
CC-BUS-M-16	16 m	A620 0016
CC-BUS-M-17	17 m	A620 0017
CC-BUS-M-18	18 m	A620 0018
CC-BUS-M-19	19 m	A620 0019
CC-BUS-M-20	20 m	A620 0020
CC-BUS-M-21	21 m	A620 0021
CC-BUS-M-22	22 m	A620 0022
CC-BUS-M-23	23 m	A620 0023

description	cable length	article number
CC-BUS-M-24	24 m	A620 0024
CC-BUS-M-25	25 m	A620 0025
CC-BUS-M-26	26 m	A620 0026
CC-BUS-M-27	27 m	A620 0027
CC-BUS-M-28	28 m	A620 0028
CC-BUS-M-29	29 m	A620 0029
CC-BUS-M-30	30 m	A620 0030

Device connection cable **HB-CCX-2**

Single cable for connecting HardBoot CCX with CATCenter.

side B

side A



RJ11 plug



D-Sub 9 plug



description	cable length	article number
HB-CCX-2	2 m	A660 0021

Device connection cable **CC-Link-2**

Single cable for connecting the CC-2Con workstation card with Acxos.

side B

side A



D-Sub 9 socket



RJ11 plug



description	cable length	article number
CC-Link-2	2 m	A620 0093

KVM Connectivity

The G&D particular cables provide different possible applications that can be gathered from the description of the respective products.

They are available as single or combined cables.

Particular cable Update-Cable-2 Single cable for connecting a computer to a G&D device to perform a firmware update.			computer side	 D-Sub 9 socket	 2,5 mm jack	
description	cable length	article number				
Update-Cable-2	2 m	A620 0100	device side			

Particular cable TS-LED-2 Single cable for connecting a LED to the video channel display.			side B	 LED	
description	cable length	article number			
TS-LED-2	2 m	A610 0041	side A	 D-Sub 9 plug	

Particular cable SOKA-G-2 Combined cable for connecting a computer via its PS/2 interfaces.			computer side	 Mini-DIN 6 plug	
description	cable length	article number			
SOKA-G-2	2 m	A610 0045	device side	 D-Sub HD 15 socket	

Particular cable K-C7C-M/M-x CAT7 crossover single cable (crossed configuration)			computer side	 RJ 45 plug	
description	cable length	article number			
K-C7C-M/M-2	2 m	A630 0056	device side	 RJ 45 plug	
K-C7C-M/M-5	5 m	A630 0084			

Particular cable HK-SUBD15-M/open-2 One-sided ready-made single cable for connecting the HK-Controller to an input device provided by the customer.			side B	offen	
description	cable length	article number			
HK-SUBD15-M/open-2	2 m	A620 0101	side A	 D-Sub 15 plug	

Video cables

The G&D video cables serve to connect the video channel.

Video cables are available for different signal specifications:

- analogue video (VGA)
- digital video (DVI-D, Single Link)
- analogue/digital video (DVI-I, Dual Link)

The video cables are available as single cables.

Due to the high-quality of the cables, several metres can be bridged passively.

Video cable VGA-M/M-x

Single cable for connecting an analogue video channel.

description	cable length	article number
VGA-M/M-1	1 m	A630 0001
VGA-M/M-2	2 m	A630 0002
VGA-M/M-4	4 m	A630 0003
VGA-M/M-5	5 m	A630 0004
VGA-M/M-6	6 m	A630 0005

computer side

device side



D-Sub HD 15 plug, no PIN 9



D-Sub HD 15 plug, no PIN 9



Video cable VGA-M/DVI-A-M-x

Single cable for connecting an analogue video channel.

description	cable length	article number
VGA-M/DVI-A-M-2	2 m	A630 0053
VGA-M/DVI-A-M-5	5 m	A630 0054

side B

side A



DVI-A plug



D-Sub HD 15 plug, no PIN 9



Video cable DVI-I-DL-M/M-x

Single cable for connecting an analogue or digital video channel.

description	cable length	article number
DVI-I-DL-M/M-2	2 m	A630 0068
DVI-I-DL-M/M-3	3 m	A630 0070
DVI-I-DL-M/M-5	5 m	A630 0069

side B

side A



DVI-I (Dual Link) plug



DVI-I (Dual Link) plug



Video cable DVI-D-SL-M/M-x

Single cable for connecting a digital video channel.

description	cable length	article number
DVI-D-SL-M/M-2	2 m	A630 0051
DVI-D-SL-M/M-3	3 m	A630 0071
DVI-D-SL-M/M-5	5 m	A630 0052

side B

side A



DVI-D (Single Link) plug



DVI-D (Single Link) plug



KVM Connectivity

Video cable K-DVI-D-SL-M/M-x

Single cable for connecting a digital video channel in use with an active signal amplifier.

description	cable length	article number
K-DVI-D-SL-M/M-10	10 m	A630 0086
K-DVI-D-SL-M/M-15	15 m	A630 0087
K-DVI-D-SL-M/M-20	20 m	A630 0088
K-DVI-D-SL-M/M-30	30 m	A630 0089
K-DVI-D-SL-M/M-40	40 m	A630 0090
K-DVI-D-SL-M/M-50	50 m	A630 0091

side B



DVI-D (Single Link) plug



DVI-D (Single Link) plug

side A



Keyboard-mouse cables

The G&D keyboard-mouse cables serve to connect the keyboard and mouse channel.

They are available as single cables.

Mouse cable PS/2-M/M-x-green

Single cable for connecting the PS/2 mouse channel.

description	cable length	article number
PS/2-M/M-2 green	2 m	A630 0012
PS/2-M/M-5 green	5 m	A630 0013

computer side



Mini-DIN 6 plug

device side



Mini-DIN 6 plug



Keyboard cable PS/2-M/M-x-purple

Single cable for connecting the PS/2 keyboard channel.

description	cable length	article number
PS/2-M/M-2-purple	2 m	A630 0014
PS/2-M/M-5-purple	5 m	A630 0015

computer side



Mini-DIN 6 plug

device side



Mini-DIN 6 plug



SUN keyboard cable SUN-KEY-x

Single cable for connecting the SUN keyboard channel.

description	cable length	article number
SUN-KEY-03	0.3 m	A630 0039
SUN-KEY-07	0.7 m	A630 0040

computer side



Mini-DIN 8 socket

device side



Mini-DIN 8 socket



Serial cables

The G&D serial cables serve to connect a serial device.

They are available as single cables.

Serial cable RS232-M/F-x Single cable for connecting a serial device.			computer side	 D-Sub 9 socket	
description	cable length	article number	device side	 D-Sub 9 plug	
RS232-M/F-2	2 m	A630 0023			
RS232-M/F-3	3 m	A630 0024			
RS232-M/F-5	5 m	A630 0025			

Audio cables

The G&D audio cables serve to connect the audio channel.

They are available as single cables.

Audio cable Audio-M/M-x Single cable for connecting the audio channel.			computer side	 3,5 mm jack	
description	cable length	article number	device side	 3,5 mm jack	
Audio-M/M-2	2 m	A630 0027			
Audio-M/M-3	3 m	A630 0073			
Audio-M/M-5	5 m	A630 0028			

Audio cable Audio-M/M-x mit Ferrit Single cable with ferrite core for connecting the audio channel.			computer side	 3,5 mm jack	
description	cable length	article number	device side	 3,5 mm jack	
Audio-M/M-2 mit Ferrit	2 m	A630 0083			
Audio-M/M-5 mit Ferrit	5 m	A630 0085			

KVM Connectivity

The G&D USB cables serve to connect or passively extend the USB channel.

They are available as single cables.

Due to the high-quality of the cables, several metres can be bridged passively.

USB cable USB-AM/AM-2			computer side		USB A plug		USB A plug	
Single cable for connecting the USB channel.								
description	cable length	article number						
USB-AM/AM-2	2 m	A630 0029						

USB cable USB AM/AF-x			computer side		USB A plug		USB A socket	
Single cable for extending the USB channel.								
description	cable length	article number						
USB-AM/AF-2	2 m	A630 0031						
USB-AM/AF-5	5 m	A630 0032						

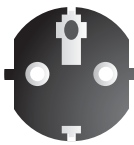
USB cable USB-AM/BM-x			computer side		USB A plug		USB B plug	
Single cable for connecting the USB channel.								
description	cable length	article number						
USB-AM/BM-2	2 m	A630 0034						
USB-AM/BM-3	3 m	A630 0072						
USB-AM/BM-5	5 m	A630 0035						

USB cable SUN-USB 07			computer side		USB A plug		USB B plug	
Single cable for connecting the USB channel.								
description	cable length	article number						
SUN-USB-07	0,7 m	A630 0041						

Power supply cables

The G&D Power cable serve to connect the power supply of G&D devices.

They are available as single cables.

Power cable PowerCable-2 Standard			side B	CEE7/7 type EF (shockproof-plug)		
Single cable for connecting the power supply, type Germany.						
description	cable length	article number				
PowerCable-2 Standard	2 m	A630 0057				

Power cable PowerCable-2 UK			side B	BS1363, type G, plug		
Single cable for connecting the power supply, type Great Britain.						
description	cable length	article number				
PowerCable-2 UK	2 m	A630 0058				

Power cable PowerCable-2 CH			side B	SEV1011 type 12, type J, plug		
Single cable for connecting the power supply, type Switzerland.						
description	cable length	article number				
PowerCable-2 CH	2 m	A630 0059				

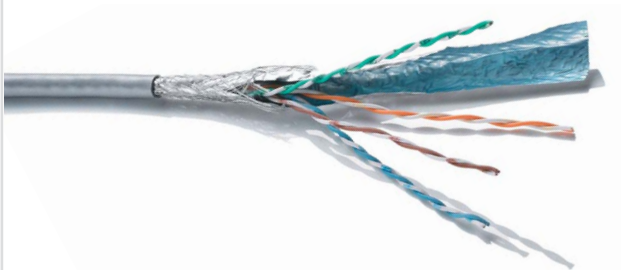
Power cable PowerCable-2 I			side B	CEI23-16/VII 10 A, type L, plug		
Single cable for connecting the power supply, type Italy.						
description	cable length	article number				
PowerCable-2 I	2 m	A630 0060				

Power cable PowerCord-x			side B	IEC-320C13 plug		
Single cable for extending the power supply connection.						
description	cable length	article number				
PowerCord-2	2 m	A630 0061				
PowerCord-5	2 m	A630 0062				

KVM Connectivity

The G&D ready-made cables are manufactured according to the desired cable length.

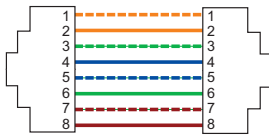
The cables are sold by the metre or ready-made with the stated plugs or sockets.

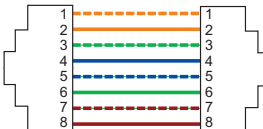
Category5 cable C5-HR			
CAT-5e transmission cable, sold by the metre.			
description	article number		
C5-HR (per metre)	A650 0008		
Ready-made cable K-C5-HR			
CAT-5 transmission cable, assembled to desired length, configuration 1:1.			
description	article number		
K-C5-HR	consisting of:		
	C5-HR (per metre)	A650 0008	
	1 x K-C5-HR (fabrication)	B660 0014	

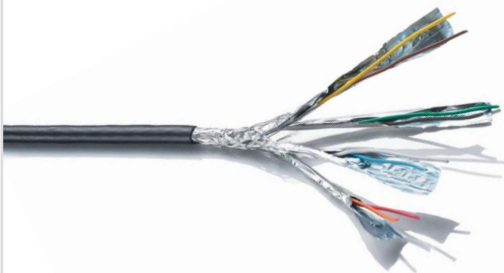
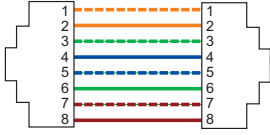
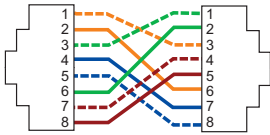
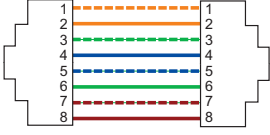
side B


RJ 45 plug

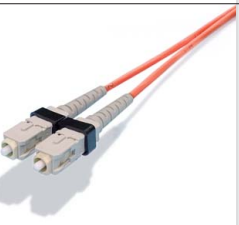
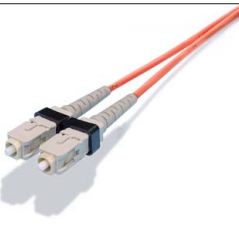
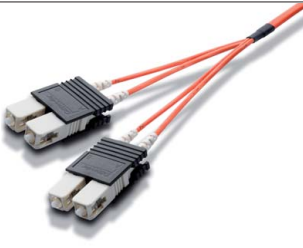

RJ 45 plug


configuration 1:1

Category5-cable CAT5-OIL		
CAT5 transmission cable, oil-resistant, for exterior application, sold by the metre.		
description	article number	
CAT5-OIL (per metre)	A650 0010	
Ready-made cable K-C5-OIL		
CAT5 transmission cable, assembled to desired length, oil-resistant, configuration 1:1, coupling via 2 x 2 m patch cable (incl.).		
description	article number	
K-C5-OIL	consisting of: CAT5-OIL (per metre) A650 0010 1 x K-C5-OIL (fabrication) B660 0021 2 x Patch-M/M-2	side B  RJ 45 socket  RJ 45 socket   RJ 45 plug 2 x  Patch-M/M-2  RJ 45 plug side A

Category7 cable CAT7 CAT-7 transmission cable, sold by the metre.			
description	article number		
CAT7 (per metre)	A650 0001		
Ready-made cable K-C7 CAT-7 transmission cable, assembled to desired length, 1:1 configuration.		side B  RJ 45 plug side A  RJ 45 plug  1:1 configuration 	
description	article number		
K-C7	consisting of: CAT7 (per metre) A650 0001 1 x K-C7 (fabrication) B660 0004		
Ready-made cable K-C7 crossover CAT-7 transmission cable, assembled to desired length, crossed configuration.		side B  RJ 45 plug side A  RJ 45 plug  crossed configuration 	
description	article number		
K-C7 crossover	consisting of: CAT7 (per metre) A650 0001 1 x K-C7 crossover (fabrication) B660 0005		
Category7 cable CAT7-LD CAT-7 transmission cable, sold by the metre.			
description	article number		
CAT7-LD (per metre)	A650 0002		
Ready-made cable K-C7-LD CAT-7 transmission cable, assembled to desired length, configuration 1:1, coupling via 2 x 2 m patch cable (incl.).		side B  RJ 45 socket side A  RJ 45 socket  1:1 configuration   RJ 45 plug 2x  Patch-M/M-2	
description	article number		
K-C7-LD	consisting of: CAT7-LD (per metre) A650 0002 1 x K-C7-LD (fabrication) B660 0006 2 x Patch-M/M-2		

KVM Connectivity

Optical fibres LwLm Multimode fibre (50/125 µ) transmission cable, sold by the metre.			
description	article number		
LwLm (per metre)	A650 0006		
Ready-made cable K-LwLm-SCD LwL-transmission cable, assembled to desired length, multi-mode fibre.			
description	article number		
K-LwLm-SCD	consisting of: LwLm (per metre) A650 0006 1 x K-LwLm-SCD B660 0007 (fabrication)	side B  SC Duplex plug	
		side A  SC Duplex plug	
Ready-made cable K-LwLm-LCD LwL-transmission cable, assembled to desired length, singlemode fibre			
description	article number		
K-LwLm-LCD	consisting of: LwLm (per metre) A650 0006 1 x K-LwLm-LCD B660 0023 (fabrication)	side B  LC Duplex plug	
		side A  LC Duplex plug	
Optical fibres LwLm-out Multimode fibre (50/125 µ) transmission cable, for exterior application, sold by the metre			
description	article number		
LwLm-out (per metre)	A650 0024		
Ready-made cable K-LwLm-out-SCD Exterior LwL transmission cable, assembled to desired length, multimode fibre			
description	article number		
K-LwLm-out-SCD	consisting of: LwLm-out (per metre) A650 0024 1 x K-LwLm-out-SCD B660 0024 (fabrication)	side B  SC Duplex plug	
		side A  SC Duplex plug	
Ready-made cable K-LwLm-out-2SCD Exterior LwL transmission cable, assembled to desired length, multimode fibre			
description	article number		
K-LwLm-out-2SCD	consisting of: LwLm (per metre) A660 0024 1 x K-LwLm-out-2SCD B660 0025 (fabrication)	side B 2 x  SC Duplex plug	
		side A 2 x  SC Duplex plug	

K-LwLm-out-Einzughilfe

Cable retractor for LwL exterior cables. Protects the fibre endings of assembled connectors from damage.

description	article number
K-LwLm-out-Einzughilfe	A700 0007

Optical fibre LwLs

Singlemode fibre (9/125µ) transmission cable, sold by the metre.

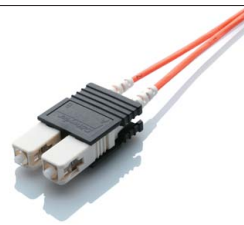
description	article number
LwLs (per metre)	A650 0007
Ready-made cable K-LwLs-SCD LwL-transmission cable, assembled to desired length, singlemode fibre	
description	article number
K-LwLs-SCD consisting of:	LwLs (per metre) A650 0007
	1 x K-LwLs-SCD (fabrication) B660 0022



SC Duplex plug



SC Duplex plug



Multi-coaxial cable VGA38

Multi-coaxial video transmission cable, type VGA38, sold by the metre.

description	article number
VGA38 (per metre)	A650 0003
Ready-made cable V-KMVL-F/F VGA38 transmission cable, assembled to desired length.	
description	article number
V-KMVL-F/F consisting of:	VGA38 (per metre) A650 0003
	1 x V-KMVL-F/F (fabrication) B660 0010
Ready-made cable V-KMVL-M/F VGA38 transmission cable, assembled to desired length.	
description	article number
V-KMVL-M/F consisting of:	VGA38 (per metre) A650 0003
	1 x V-KMVL-M/F (fabrication) B660 0011
Ready-made cable V-KMVL-M/M VGA38 transmission cable, assembled to desired length.	
description	article number
V-KMVL-M/M consisting of:	VGA38 (per metre) A650 0003
	1 x V-KMVL-M/M (fabrication) B660 0016



D-Sub HD 15 socket



D-Sub HD 15 socket



D-Sub HD 15 socket



D-Sub HD 15 plug,
no PIN 9



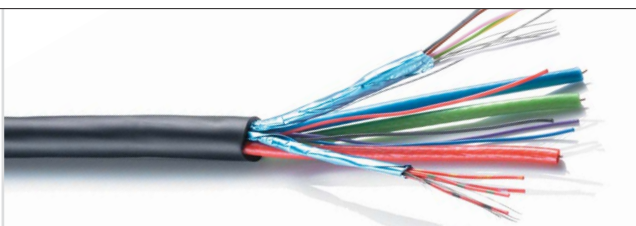
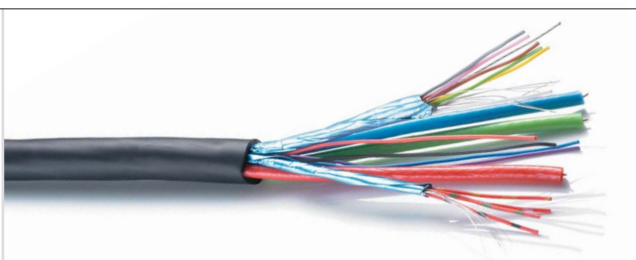
D-Sub HD 15 plug,
no PIN 9

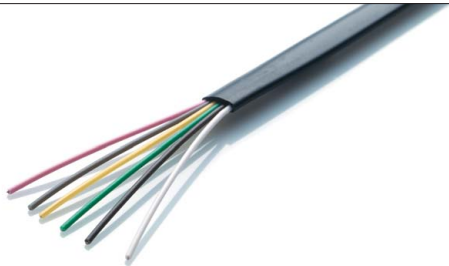


D-Sub HD 15 plug,
no PIN 9



KVM Connectivity

Multi-coaxial cable MC316					
Multi-coaxial video transmission cable, type MC316, sold by the metre.					
description		article number			
MC316 (per metre)		A650 0004			
Ready-made cable KMC-F/F					
MC316 transmission cable, assembled to desired length.					
description		article number			
KMC-F/F		consisting of:			
		MC316 (per metre)		A650 0004	
		1 x KMC-F/F (fabrication)		B660 0008	
Ready-made cable KMC-M/F					
MC316 transmission cable, assembled to desired length.					
description		article number			
KMC-M/F		consisting of:			
		MC316 (per metre)		A650 0004	
		1 x KMC-M/F (fabrication)		B660 0009	
Ready-made cable KMC-M/M					
MC316 transmission cable, assembled to desired length.					
description		article number			
KMC-M/M		consisting of:			
		MC316 (per metre)		A650 0004	
		1 x KMC-M/M (fabrication)		B660 0017	
Multi-coaxial cable MC316 halogenfrei/non halogen (per metre)					
Multi-coaxial video transmission cable, type MC316, non halogen, sold by the metre					
description		article number			
MC316 halogenfrei/non halogen (per metre)		A650 0005			

Tel ribbon cable CCX-Bus				
6-core ribbon cable, sold by the metre				
description		article number		
CCX-Bus (per metre)		A650 0020		
Ready-made cable HB-CCX-Bus		side B  RJ12 plug 		
Bus cable assembled to desired length, for inter-connecting HardBoot plus with HardBoot CCX or multiple HardBoot CCX with each other				
description		article number		
HB-CCX-Bus consisting of:		side A  RJ12 plug 		
CCX-Bus (per metre)				A650 0020
1 x HB-CCX-Bus (fabrication)				B660 0019

KVM Connectivity

The G&D adapters are physically converting non-compatible interfaces to other interfaces. The conversion is carried out passively. An active signal conversion can only be carried out through G&D devices.

The adapters are available for different interfaces:

- Keyboard/mouse
- Video

The adapters are available as plug or cable adapters.

Adapter Keyboard DIN5M-MD6F Plug adapter for the physical conversion of AT to PS/2 keyboard.		side B		
description	article number	side A		
Adapter DIN5M-MD6F	A640 0001		DIN 5 plug	

Adapter Keyboard MD6M-DIN5F Plug adapter for the physical conversion of PS/2 to AT keyboard.		side B		
description	article number	side A		
Adapter MD6M-DIN5F	A640 0002		Mini-DIN 6 plug	

Adapter Mouse MD6F-SUBD9F Plug adapter for the physical conversion of PS/2 to serial mouse.		side B		
description	article number	side A		
Adapter MD6F-SUBD9F	A640 0003		Mini-DIN 6 socket	

Adapter Keyboard/Mouse MD6M-MD6F-01/PIN6 Cable adapter PS/2 without looping through Pin 6.		side B		
description	article number	side A		
Adapter MD6M-MD6F-01/PIN6	A640 0015		Mini-DIN 6 plug	

Adapter Video 13W3M-HD15F			side B		
Plug adapter for the physical conversion of SUN video to VGA.					
description	article number		side A		
Adapter 13W3M-HD15F	A640 0009				

Adapter Video DVI-I-HD15F			side B		
Plug adapter for the physical conversion of DVI-I to VGA.					
description	article number		side A		
Adapter DVI-I-HD15F	A640 0027				

Adapter Video SUN-VGA-07			side B		
Cable adapter set for the physical conversion of SUN video to VGA.					
description	cable length	article number	side A		
SUN-VGA-07	0,7 m	A630 0042			

Adapter Video Genderchanger HD15M			side B		
Plug adapter for the physical conversion of VGA socket to plug.					
description	article number		side A		
Genderchanger HD15M	A640 0025				

Adapter Video DDC-Adapter-x			side B		
Plug adapter for the computer-sided emulation of DDC information.					
description	article number		side A		
DDC-Adapter-A (1024x768@75 Hz)	A640 0028				
DDC-Adapter-B (1280x1024@60 Hz)	A640 0029				
DDC-Adapter-C (1280x1024@75 Hz)	A640 0030				
DDC-Adapter-D (1280x1024@85 Hz)	A640 0031				
DDC-Adapter-E (1360x768@60 Hz)	A640 0032				
DDC-Adapter-F (1680x1050@60 Hz)	A640 0035				

KVM Connectivity

The G&D converters change keyboard/mouse signals to the PS/2 protocol and video signals to VGA standard.

The conversion is carried out actively. They are available as desktop devices.

Converter active SUN-Set CPU

Converter for computer-sided application. Signal conversion from SUN video to VGA as well as SUN keyboard/mouse to PS/2 (bidirectional).

description	article number
SUN-Set CPU	A311 0004



Front view



Rear view

Converter active SUN-USB CPU

Converter for computer-sided application. Signal conversion from SUN video to VGA as well as SUN keyboard/mouse to PS/2 (bidirectional).

description	article number
SUN-USB CPU	A311 0005



Front view



Rear view

Converter active USB-CPU

Converter for computer-sided application. Signal conversion from USB keyboard/mouse to PS/2 (bidirectional).

description	article number
USB-CPU	A311 0006



Front view



Rear view

Converter active USB-Con

Converter for workstation-sided application. Signal conversion from PS/2 to USB or SUN keyboard/mouse (bidirectional).

description	article number
USB-Con	A312 0001



Front view

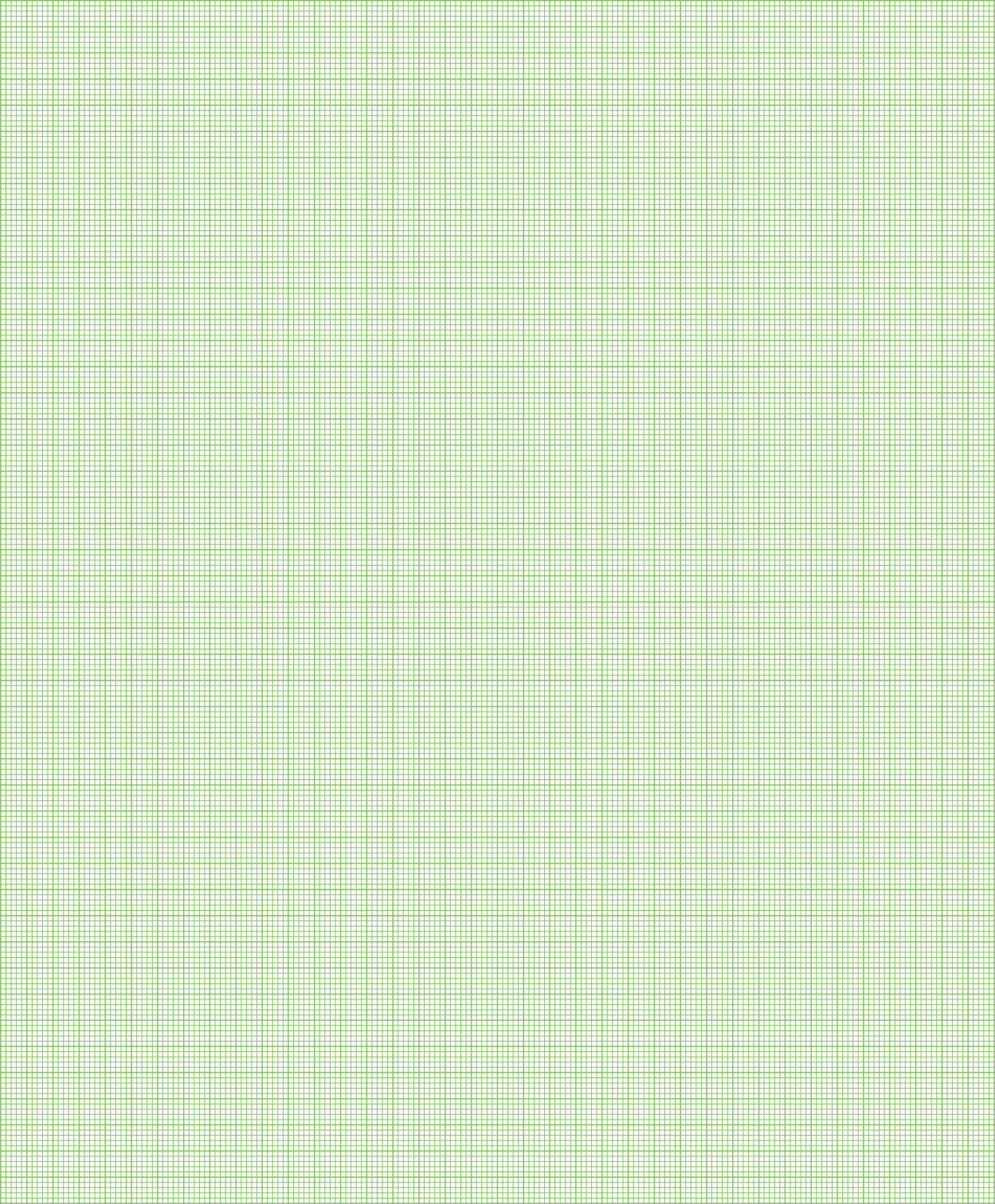


Rear view

Technical data			SUN-Set CPU	SUN-USB CPU
Power supply	Type		via SUN keyboard interface	via USB interface
	Connection		Mini-DIN 8 socket	USB B socket
	Voltage		+5VDC/400mA	+5VDC/400mA
Signal type/Video			VGA (analogue)	VGA (analogue)
Resolution			1600 x 1200 @ 85 Hz	1600 x 1200 @ 85 Hz
Casing	Material		Aluminium	Aluminium
	Dimensions	W x H x D	105 x 26 x 124	105 x 26 x 124
	Weight		approx. 0.3 kg	approx. 0.3 kg
Operation environment	Temperature		+5 to +45 °C	+5 to +45 °C
	Humidity		<80 %, non-condensing	<80 %, non-condensing
Interfaces	for workstation	Monitor	1 x D-Sub HD 15 socket	1 x D-Sub HD 15 socket
		Keyboard/mouse	2 x Mini-DIN 6 socket	2 x Mini-DIN 6 socket
	to computer	Keyboard/mouse	1 x Mini-DIN 8 socket	1 x USB B socket
		Video	1 x D-Sub HD 15 plug (SUN-Video)	1 x D-Sub HD 15 plug (SUN-Video)
Specification	Conversion	Video	RGBC (SUN-Video) to RGBHV (VGA)	RGBC (SUN-Video) to RGBHV (VGA)
		Keyboard/mouse	SUN to PS/2	SUN-USB to PS/2
Conformity			CE, RoHS	CE, RoHS

Technical data			USB-CPU	USB-Con
Power supply	Type		external power pack	via PS/2 keyboard interface
	Connection		1 x 2 pole hollow socket	–
	Voltage		+5VDC/510mA	+5VDC/80mA
Casing	Material		Aluminium	Aluminium
	Dimensions	W x H x D	55 x 24 x 54	105 x 26 x 84
	Weight		approx. 0.1 kg	approx. 0.2 kg
Operation environment	Temperature		+5 to +45 °C	+5 to +45 °C
	Humidity		<80 %, non-condensing	<80 %, non-condensing
Interfaces	for workstation	Keyboard/mouse	2 x Mini-DIN 6 socket	2 x USB A socket
			–	1 x Mini-DIN 8 socket
	to computer	Keyboard/mouse	1 x USB B socket	2 x Mini-DIN 6 socket
Specification	Conversion	Keyboard/mouse	USB to PS/2	PS/2 to USB
			–	PS/2 to SUN
	Conformity		CE, RoHS	CE, RoHS

For your notes:



Your KVM application – Your trusted partner

**Profit from our solutions expertise,
from planning through to support!**

-  **KVM Extender**
-  **KVM Sharing**
-  **KVM Switches**
-  **KVM Matrixswitches**
-  **KVM IP-Access**
-  **Power Switches**
-  **KVM Connectivity**
-  **KVM Add-On**

Guntermann & Drunck GmbH
Dortmunder Straße 4a
D-57234 Wilnsdorf

Telephone +49 (0) 2739 8901-100
Fax +49 (0) 2739 8901-120

sales@GDsys.de

www.GDsys.de