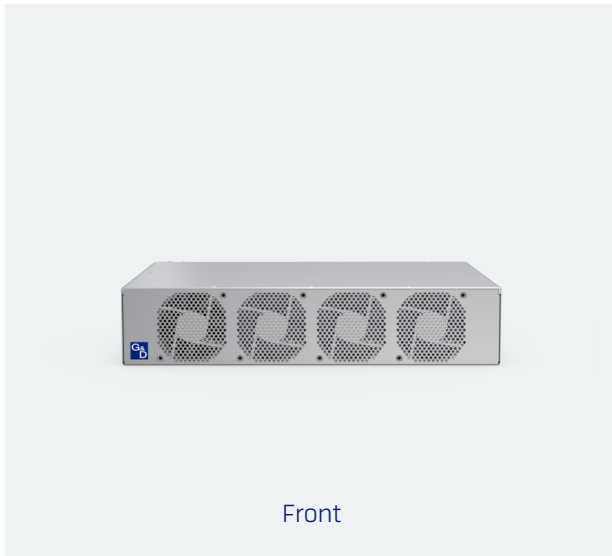


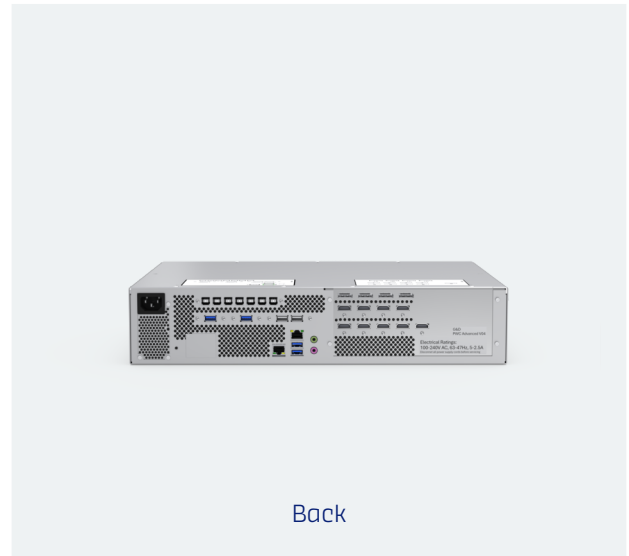
PERSONALWORKPLACE-CONTROLLER ADVANCED VO4



Video processing, Article number A4000033



Front



Back

The PersonalWorkplace-Controller enables you to simultaneously display and operate several computer signals, virtual sources or KVM console modules on one or several monitors. The arrangement of the input signals can be flexibly adapted by the user at any time. This enables the individual design of efficient and ergonomic workplaces with only one mouse and one keyboard.

DETAILS

VIDEO

- Video inputs per variant
 - Standard and Advanced: 9 (1x UHD/60, 3x UHD/30, 5x FHD/60)
 - Advanced Max: 9 (5x UHD/60 4:2:2, 4x FHD/60)
 - Professional: 18 (2x UHD/60, 6x UHD/30, 10x FHD/60)
 - Professional Max: 27 (15x UHD/60 4:2:2, 12x FHD/60)
 - Video: 27 (3x UHD/60, 9x UHD/30, 15x FHD/60)
- Video outputs per variant
 - Standard VO1: 1 (UHD/60)
 - Advanced VO4, Professional VO4 and Video VO4: 4 (5K/60)
 - Professional VO6 and Video VO6: 6 (5K/60)
- Display licenses are required for video output (both physical and streaming); the number of included licenses varies depending on the variant:
 - Standard and Advanced: 1
 - Professional and Video: 2
- Can be expanded with additional display licenses
- Two different operating modes:
 - Dynamic mode (standard): Use of the native resolution of the connected monitor to be able to display modern resolutions (e.g. 5120 x 2880 at 60 Hz)
 - Legacy mode: Mode with predefined resolutions and aspect ratios (max. 3840 x 2160 @ 60 Hz)
- 5 streaming inputs. Supported protocols:
 - RTSP (H.264)
 - RTSP HEVC (H.265)
 - NDI
- Up to 2 streaming outputs (Standard variant: 1). Display licenses required. Supported protocols:
 - RTSP (H.264)
 - RTSP HEVC (H.265)
 - WebRTC

DEVICE

- Due to the high data rates of the video signals, bandwidth restrictions must be taken into account when planning and operating the device - our specialists will be happy to help you with this

- Access to standard interfaces of the computer, with no software installation required

OPERATION

- Operable computers per variant:
 - Video: 0
 - Standard and Advanced: 7
 - Advanced Max: 12
 - Professional: 14
 - Professional Max: 29

WARRANTY

- A 2-year, free of charge product guarantee

FEATURES

VIDEO

- Display area of max. 16384 pixels horizontally and max. 16384 pixels vertically
 - Enables 4x 4K horizontal or 4x 5K vertical or in 2x2 layout (4x 5K horizontal not possible, as >16384 pixels)
- Supports mirroring for monitor or stream projections (display license required)

DEVICE

- Users can switch between different sources almost in real-time, without noticing interruptions or delays
- Internal power supply unit for power delivery
- Professional and Video variants with redundant internal power supply modules
- Low noise emission

SECURITY FEATURES

- With the Monitoring function, you can monitor the device via the web interface.
- Redundant network interface

OPERATION FEATURES

- Different operating modes:
 - Free mode: The windows can be moved, scaled and arranged freely - without a fixed grid, for maximum flexibility
 - Swap mode: A window/source can swap places with another window/source using the mouse to quickly highlight important content without changing the layout/grid
- The image output can be rotated individually for each monitor, with the exception of the Standard variant
- Up to 4 users who can also operate independent applications/workplaces
- KVM functionality (keyboard, video, mouse) is available in all variants, except for the Video variant
- The windows on the display area can be arranged either in fixed grids or freely
- Operation of the graphical user interface and configuration via primary and secondary mouse buttons (context menu) as well as hotkeys
- Configuration, updates, and control (Touch UI) via the web interface
- REST API for remote control and status queries
- The data masking function allows you to make selected areas invisible

EXTENSIONS

SYSTEM EXTENSION

- Each additional display license allows you to connect one more output monitor or use an additional virtual output
 - Limitation of the Standard variant: Additional license can be used for only one mirror
- Exclusive to Max variants: PersonalWorkplace-CPU-Fiber(M/S) – a lossless 10G computer module with local console and integrated signal conversion for DP 1.2, HDMI 2.0, or SDI up to UHD/60; only one input can be used at a time

TECHNICAL DATA

General	Product group	Video Processing
	Number of sources	9
Input options	USB mouse	yes
	USB keyboard	yes
Video input	Format	HDMI 2.0
	Quantity	1
	Pixel rate	ca. 16 MPixel/s to ca. 550 MPixel/s
	Exemplary resolutions	3840 × 2160 (60 Hz) - 4K UHD / 4K2K Refers to input 1. Further VESA and CTA standardised resolutions possible within pixel rate and horizontal/vertical frequency.
Video input 2	Format	HDMI 2.0
	Quantity	3
	Pixel rate	ca. 16 MPixel/s to ca. 300 MPixel/s
	Exemplary resolutions	1920 × 1200 (60 Hz) - Full HD / WUXGA 1920 × 1080 (60 Hz) - Full HD / WUXGA 3840 × 2160 (30 Hz) - 2K / WQXGA 2560 × 1600 (60 Hz) - 2K / WQXGA Refers to input 2, 3, 4. Further VESA and CTA standardised resolutions possible within pixel rate and horizontal/vertical frequency.
Video input 3	Format	HDMI 2.0
	Quantity	1
	Pixel rate	ca. 16 MPixel/s to ca. 165 MPixel/s

Video input 4	Exemplary resolutions	1920 × 1200 (60 Hz) - Full HD / WUXGA 1920 × 1080 (60 Hz) - Full HD / WUXGA Refers to input 9. Further VESA and CTA standardised resolutions possible within pixel rate and horizontal/vertical frequency.
	Format	Singlelink DVI
	Quantity	4
	Pixel rate	ca. 16 MPixel/s to ca. 165 MPixel/s
Video output	Exemplary resolutions	1920 × 1200 (60 Hz) - Full HD / WUXGA 1920 × 1080 (60 Hz) - Full HD / WUXGA Refers to input 5, 6, 7, 8. Further VESA and CTA standardised resolutions possible within pixel rate and horizontal/vertical frequency.
	Format	DisplayPort 1.3
	Quantity	4
	Exemplary resolutions	5120 × 2880 (60 Hz) - 5k 4096 × 2160 (60 Hz) - 4K UHD / 4K2K 4096 × 2160 (30 Hz) - 2K / WQXGA 3840 × 2160 (60 Hz) - 4K UHD / 4K2K 2560 × 1600 (60 Hz) - 2K / WQXGA 1920 × 1200 (60 Hz) - Full HD / WUXGA 1920 × 1080 (60 Hz) - Full HD / WUXGA Further VESA and CTA standardised resolutions possible within pixel rate and horizontal/vertical frequency.
Network	Medium 1	CAT5 CAT6 CAT7
	Data rate 1	1 GBit/s 100 MBit/s 10 MBit/s

Maintenance	Update via	WebIF (Network)
Housing	Material	Steel sheet
	Width	ca. 428 mm
	Height	ca. 88 mm
	Depth	ca. 300 mm
	IP protection class	IP20
Operating conditions	Operating temperature	5 °C to 40 °C
	Operating air humidity	10 % to 80 %, non-condensing
	Area of application	Interior
	Maximum operating altitude	3000m above sea level
	Storage temperature	-20 °C to 70 °C
	Storage air humidity	10 % to 95 %, non-condensing
	MTBF	45893 h at 25°C
	Conformities	CE compliant (see downloads) UKCA compliant (see downloads) UL compliant (see downloads) CB compliant (see downloads) FCC compliant (see manual) TAA compliant (see downloads) RoHS compliant (see downloads) WEEE (reg. no. DE30763240) REACH compliant (see downloads)
Power supply	Input voltage	90-264 VAC
	Input frequency	47-63 Hz
	Current consumption	5-2.5 A

MORE VARIANTS

Description	Article number
PersonalWorkplace-CPU-Fiber(M) Video signal converter and 10G fiber optic transmitter. Optically isolated input for PWC with looped signal output (local console).	A4000040
PersonalWorkplace-CPU-Fiber(S) Video signal converter and 10G fiber optic transmitter. Optically isolated input for PWC with looped signal output (local console).	A4000042
PersonalWorkplace-Controller Advanced Max F(M) VO4 Multiviewing tool (2 RU) with 9 video inputs (incl. 5 x remote UHD@60Hz), and 4 video outputs (5K@60Hz). 1 output license included, additional optional licenses at extra charge!	A4000034
PersonalWorkplace-Controller Advanced Max F(S) VO4 Multiviewing tool (2 RU) with 9 video inputs (incl. 5 x remote UHD@60Hz), and 4 video outputs (5K@60Hz). 1 output license included, additional optional licenses at extra charge!	A4000038
PersonalWorkplace-Controller Basic KVM Multiviewing tool with high operating focus and 9 video inputs (incl. 1x UHD60, 3x UHD30), as well as up to 5 video outputs.	A4000023
PersonalWorkplace-Controller Pro KVM Multiviewing tool with high operating focus and 18 video inputs (incl. 2x UHD60, 6x UHD30), as well as up to 5 video outputs.	A4000024
PersonalWorkplace-Controller Pro Video Multiviewing tool with 26 video inputs (incl. 2x UHD60, 6x UHD30), as well as up to 5 video outputs.	A4000025
PersonalWorkplace-Controller Professional Max F(M) VO4 Multiviewing tool (4 RU) with 27 video inputs (incl. 15 x remote UHD@60Hz), and 4 video outputs (5K@60Hz). 2 output licenses included, additional optional licenses at extra charge!	A4000036
PersonalWorkplace-Controller Professional Max F(M) VO6 Multiviewing tool (4 RU) with 27 video inputs (incl. 15 x remote UHD@60Hz), and 6 video outputs (5K@60Hz). 2 output licenses included, additional optional licenses at extra charge!	A4000044
PersonalWorkplace-Controller Professional Max F(S) VO4 Multiviewing tool (4 RU) with 27 video inputs (incl. 15 x remote UHD@60Hz), and 4 video outputs (5K@60Hz). 2 output licenses included, additional optional licenses at extra charge!	A4000039
PersonalWorkplace-Controller Professional Max F(S) VO6 Multiviewing tool (4 RU) with 27 video inputs (incl. 15 x remote UHD@60Hz), and 6 video outputs (5K@60Hz). 2 output licenses included, additional optional licenses at extra charge!	A4000045

Description	Article number
PersonalWorkplace-Controller Professional VO4 Multiviewing tool (4 RU) with 18 video inputs (incl. 2 x UHD@60Hz, 6 x UHD@30Hz), and 4 video outputs (5K@60Hz). 2 output licenses included, additional optional licenses at extra charge!	A4000035
PersonalWorkplace-Controller Professional VO6 Multiviewing tool (4 RU) with 18 video inputs (incl. 2 x UHD@60Hz, 6 x UHD@30Hz), and 6 video outputs (5K@60Hz). 2 output licenses included, additional optional licenses at extra charge!	A4000043
PersonalWorkplace-Controller Standard VO1 Multiviewing tool (2 RU) with 9 video inputs (incl. 1 x UHD@60Hz, 3 x UHD@30Hz), and 1 video output (3840x2160@60Hz). 1 output license included, additional optional licenses at extra charge!	A4000032
PersonalWorkplace-Controller Video VO4 Multiviewing tool (4 RU) with 27 video inputs (incl. 3 x UHD@60Hz, 9 x UHD@30Hz), and 4 video outputs (5K@60Hz). 2 output licenses included, additional optional licenses at extra charge!	A4000037
PersonalWorkplace-Controller Video VO6 Multiviewing tool (4 RU) with 27 video inputs (incl. 3 x UHD@60Hz, 9 x UHD@30Hz), and 6 video outputs (5K@60Hz). 2 output licenses included, additional optional licenses at extra charge!	A4000046

CONTACT

WE ARE HERE FOR YOU!

If you have any further questions, we are looking forward to advising you on your individual project requirements.

TECHNICAL SALES

Tel.: +49 271 23872-333
Fax: +49 271 23872-120
E-Mail: sales@gdsys.com

HEADQUARTERS

Guntermann & Drunck GmbH Systementwicklung
Obere Leimbach 9 | 57074 Siegen | NRW |
Deutschland

Tel.: +49 271 23872-0
Fax: +49 271 23872-120
E-Mail: sales@gdsys.com

US OFFICE

G&D North America Inc.
4540 Kendrick Plaza Drive | Suite 100
Houston, TX 77032 | United States

Tel.: +1-346-620-4362
E-Mail: sales.us@gdsys.com

MIDDLE EAST OFFICE

Guntermann & Drunck GmbH
Dubai Studio City | DSC Tower
12th Floor, Office 1208 | Dubai, UAE

Tel.: +971 4 5586178
E-Mail: sales.me@gdsys.com

APAC OFFICE

Guntermann & Drunck GmbH
60 Anson Road #17-01
Singapore 079914

Tel.: +65 9685 8807
E-Mail: sales.apac@gdsys.com