PERSONALWORKPLACE-CONTROLLER ADVANCED MAX F(M) V04

Video processing, Article number A4000034



Front



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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.

SCOPE OF DELIVERY

Quantity	Description	Article number
1	Safety instructions flyer - FCC class A	A9100377

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)
- 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 × 2880 at 60 Hz)
  - Legacy mode: Mode with predefined resolutions and aspect ratios (max. 3840 × 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

TRANSMISSION

- The transmission distance is up to 400 meters over fiber multimode optics, incl. transmission module(s)/SFP transceiver(s)

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

- 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	Brand	G&D
	Product group	Video processing
	Product Family	PersonalWorkplace-Controller
	Country of origin	Germany
	Number of sources	9
	Power Supply	no redundancy
Input options	USB mouse	yes
	USB keyboard	yes
Transmission	Number of transmission channels	5
	Redundant transmission channels	no redundant KVM transmission
	Range	400 m (50.0/125µm, OM4 - 4700MHz*km) 300 m (50.0/125µm, OM3 - 2000MHz*km)
	Laser class	Class 1
	Type of interface	LC-Duplex
	Wavelength	850 nm
	Medium	Fiber MM
	Data rate	10 Gbit/s
Video input 1	Quantity	5
	Format	PersonalWorkplace-CPU-Fiber

	Pixel rate ca.	16 MPixel/s to 594 MPixel/s
	Exemplary resolutions	3840 × 2160 (60 Hz) 3840 × 2160 (30 Hz) 2560 × 1600 (60 Hz) 1920 × 1200 (60 Hz) 1920 × 1080 (60 Hz)
	General Notes	Further VESA and CTA standardised resolutions possible within pixel rate and horizontal/vertical frequency.
	Related to Inputs	1 2 3 4 5
Video input 2	Quantity	4
	Format	HDMI 2.0 (DVI)
	Pixel rate ca.	16 MPixel/s to 165 MPixel/s
	Exemplary resolutions	1920 × 1200 (60 Hz) 1920 × 1080 (60 Hz)
	General Notes	Further VESA and CTA standardised resolutions possible within pixel rate and horizontal/vertical frequency.
	Related to Inputs	6 7 8 9
Video output	Quantity	4
	Format	DisplayPort 1.3

	Exemplary resolutions	5120 × 2880 (60 Hz) 4096 × 2160 (60 Hz) 4096 × 2160 (30 Hz) 3840 × 2160 (60 Hz) 2560 × 1600 (60 Hz) 1920 × 1200 (60 Hz) 1920 × 1080 (60 Hz)
	General Notes	Further VESA and CTA standardised resolutions possible within pixel rate and horizontal/vertical frequency.
Network	Quantity	1
	Medium	CAT5 CAT6 CAT7
	Data rate	1 Gbit/s 100 Mbit/s 10 Mbit/s
Maintenance	Update via	WebIF (Network)
Housing	Material	Steel sheet
	Active cooling (fan)	yes
	Width ca.	428 mm
	Height ca.	88 mm
	Depth ca.	300 mm
	IP protection class	IP20
	Weight ca.	8 kg
Operating conditions	Operating environment temperature	5 °C to 40 °C
	Operating air humidity, non-condensing	10 % to 80 %

	Area of application	Indoor use
	Maximum operating altitude above sea level	3,000 m
	Storage environment temperature	-20 °C to 70 °C
	Storage air humidity, non-condensing	10 % to 95 %
	MTBF	47,978 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	Quantity	1
	Type	Internal
	Input voltage	90-264 VAC
	Input frequency	47-63 Hz
	Current consumption	5-2.5 A

ACCESSORY PRODUCTS

Image	Description	Article number
	Club-3D DP1.2-to-HDMI2.0 UHD active Adapter CAC-2070 Converter to convert from DP1.2 to HDMI 2.0	A3110015
	HDM-Cable-M/M-2 S1 cable HDM-SupraLok 2m Single cable to connect a HDMI video channel with 1 SupraLok connector	A6300141
	HDM-Cable-M/M-3 S1 cable HDM-SupraLok 3m Single cable to connect a HDMI video channel with 1 SupraLok connector	A6300139
	HDM-Cable-M/M-5 S1 cable HDM-SupraLok 5m Single cable to connect a HDMI video channel with 1 SupraLok connector	A6300140
	DP1.4-Cable-M/M-2 SK13357 2m Single cable to connect a DisplayPort video channel (DP1.4)	A6300173
	DP1.4-Cable-M/M-3 SK13358 3m Single cable to connect a DisplayPort video channel (DP1.4)	A6300174
	DP1.4-Cable-M/M-5 SK13359 5m Single cable to connect a DisplayPort video channel (DP1.4)	A6300175
	DP-HDM-Converter-Cable-M/M-2 cable DP-HDMI 2m Single cable to connect a DisplayPort source to a HDMI sink	A6300156
	DVI-HDMI-Adapter-Cable-M/M-2 cable DVI-HDMI 2m Adapter cable to convert SingleLink DVI to HDMI 1.4 and the other way around as well	A6400049
	DVI-HDMI-Adapter-Cable-M/M-3 cable DVI-HDMI 3m Adapter cable to convert SingleLink DVI to HDMI 1.4 and the other way around as well	A6400050
	DVI-HDMI-Adapter-Cable-M/M-5 cable DVI-HDMI 5m Adapter cable to convert SingleLink DVI to HDMI 1.4 and the other way around as well	A6400051
	Mini DP1.4 to DP 1.4 Adapter Converter to convert from miniDP 1.4 to DP 1.4	A3110016
	USB-AM/BM-2 cable USB 2m USB cable, Type-A Plug/Type-B Plug	A6300113

Image	Description	Article number
	USB-AM/BM-3 cable USB 3m USB cable, Type-A Plug/Type-B Plug	A6300114
	USB-AM/BM-5 cable USB 5m USB cable, Type-A Plug/Type-B Plug	A6300111
	PowerCable-3 Standard cable 3m Cable to connect the power supply type Germany	A6300066
	PowerCable-5 Standard cable 5m Cable to connect the power supply type Germany	A6300065

MORE VARIANTS

Description	Article number
PersonalWorkplace-CPU-SidePort-Fiber(M) Video singal converter and 10G fiber optic transmitter. Optically isolated input for PWC with looped signal output (local console). Power and transmission interface to the side.	A4000048
PersonalWorkplace-CPU-SidePort-Fiber(S) Video singal converter and 10G fiber optic transmitter. Optically isolated input for PWC with looped signal output (local console). Power and transmission interface to the side.	A4000049
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).	A4000038
PersonalWorkplace-Controller Advanced VO4 Multiviewing tool (2 RU) with 9 video inputs (incl. 1 x UHD@60Hz, 3 x UHD@30Hz), and 4 video outputs (5K@60Hz).	A4000033
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).	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).	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).	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).	A4000045
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).	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).	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 (3840×2160@60Hz).	A4000032

Description	Article number
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).	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).	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.

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