

# AW-1901-DVI



- 19" LCD Monitor with LED Backlight
- DVI and VGA Input
- 3 Port USB 2.0 Hub
- Depth 640mm only



AW-1901-DVI is a 19" Monitor-Keybaord-Drawer with LED Backlight. A value keyboard with a number block and touchpad, DVI and VGA Input and 3 Front USB-connectors are completing the external design. The casing conforms the 1U Standard, is easily installed and mountable with the included mounting kit.



## Properties

- 1U 19" LCD console, 640mm depth
- Stepless,adjustable angle from 0 to 105° over high quality and unique torque hinges
- Easy one man assembly with the provided angles
- DVI and VGA Input
- 3 front 2.0 USB
- Adjustable depth from 600 mm up to 1130 mm tread depth
- Chromed metal handle
- Practical knurled screws
- High graphic resolution, up to 1280 x 1024 with 60Hz DDC, DDC2 und DDC2B

## Keyboard versions

**Available in following versions:** German (DE), US-English (US), French (FR), Spanish (SP), Italian (IT) and Swiss / German (CH)

**Versions available on request:** UK-English (UK), Turkish (TK), Russian(RU) and Arabian (AR)

Trackball version is possible, in combination with a [Cherry G84-4400](#) Trackball Keyboard.

## Specifications

- DVI-I and VGA Input, USB for Keyboard and Touchpad
- Compatible with most PS / 2 KVM and USB KVM switches
- Integrated 3 Port-front USB2.0 device-Hub for shared use of USB2.0 und USB1.1 terminal device (for another Mouse, Scanner, Printer, Cameras, USB-Storage medium, etc.) to all PCs
- OSD Menu in the following languages adjustable: German, English, Spanish, Italian , French, Portuguese, Korean, Cyrillic, Japanese, trad. Chinese, mod. Chinese
- Support friendly external power supply
- Supports all USB suitable operating systems: for example DOS, Windows Series / Server 2008 / Server 2013, Linux, MacOS, etc.
- Perfect keyboard / mouse emulation for safe function on all computers and operating systems

## **Technical data:**

Connections	Graphic	1 x DVI-I 1 x VGA
	Keyboard / Mouse	2 X USB-Typ-A
	External (Hub)	3 x USB 2,0 (Type-A)
	Power supply	1 x C13 IEC socket
Connection cable (included in the delivery)	Graphic	1 x DVI-D, 1 x VGA(1,8m)
	Keyboard/Mouse	2 x USB-A for A (1,8m)
Switch	LCD settings	4 Pressure switch
	ON / OFF	1 Pressure switch
	OFF (LCD folded)	1 Semi-covert pressure switch
LED-Display panel	Operation	1 x green
	Number	1 x green
	Capital letters	1 x green
	Scroll	1 x green
Emulation	Keyboard/ Mouse	USB and PS/2
	Display	Yes
Graphic	19" LCD	1280 x 1024 (DVI Single Link)
	Colors	16,2 Mio.
	Frame Rate	H: 31,0 KHz. – 82,0 KHz. V: 60,0 KHz. – 75,0 KHz.
	Viewing angle	H: 140° / V: 130°
	Bandwith	140 Mhz.
	Brightness	300 cd/m <sup>2</sup>
	Contrast	700 : 1
	Reaktion time	4 ms.
	Pixel pitch	0,264mm (H) x 0,264mm (V)
	Backlight	LED
Input values	100 V. – 240 V. AC, 48 Hz – 62 Hz	
Output values	DC 12V., 4,16A	
Power consumption	230 V / 18,8 Watt	
Certification	RoHS, RoHS2, CE	
Environment	Operating temperature	0 – 40°C
	Storage temperature	-20 – 60°C
	Humidity	0 – 80% relative humidity (non condensing)
Physical properties	Casing	High performance steel
	Color	RAL 9005
	Weight	14,9 kg incl. angles
	Dimension (L x W x H) without handle	64,00 x 43,6 x 4,4cm (19" / 1U)
	Dimension (L x W x H) with handle	67,80 x 43,6 x 4,4cm (19" / 1U)
Packaging	Weight	17,1 kg
	Dimension (L x W x H)	77,5 x 58 x 21 cm

# AW-1908-DVI



- 19 LCD Monitor with LED Backlight
- 8 Port DVI / USB KVM
- 3 switchable front USB



AW-1908-DVI is a 19" LCD-Monitor, Keyboard-Drawer with LED Backlight. A value Keyboard with number block and touchpad, the integrated 8 Port DVI / USB KVM and 3 Front USB-connectors are completing the external design. The casing conforms the 1U Standard, is easily installed and mountable with the included mounting kit.



## Properties

- 1U 19" LCD console, 640mm depth
- Stepless, adjustable angle from 0 to 105° over high quality unique torque hinges.
- Easy one man assembly with the included installation angles.
- Adjustable depth from 600mm up to 1130mm tread depth
- Chromed metal handle
- Practical knurled screws
- 3 Front USB-Connectors
- Integrated 8 Port DVI / USB KVM
- High graphic resolution, up to 1280 x 1024 with 60Hz DDC, DDC2 und DDC2B

## Keyboard versions

**Available in following versions:** German (DE), US-English (US), French (FR), Spanish (SP), Italian (IT) and Swiss / German (CH)

**Versions available on request:** UK-English (UK), Turkish (TK), Russian(RU) and Arabian (AR)

Trackball version is possible, in combination with a [Cherry G84-4400](#) Trackball Keyboard.

## Specifications

- The DVI-graphic card ensures always a proper resolution even if the background needs to be rebooted.
- A DDC/EDID-reflection signal with Active Sync Replication (A.S.R) ensures a permanent (all time) DDC-Emulation. It places the transmission of the monitor information to all available ports , allows the use of the original monitor driver of the monitor manufacturer and DVI-"boots" in the background.
- Port-choice with the Select-Button or HotKeys (5 alternative keyboard shortcuts)
- Programmable Hotkey feature, alternative Hotkey (Scroll, Cap, Esc, F12, Num)
- Integrated 3 Port-front USB2.0 device-Hub for shared use of USB2.0 und USB1.1 terminal device (for another Mouse, Scanner, Printer, Cameras, USB-Storage medium, etc.) to all PCs
- Independent / Shared change of USB2.0 device, ON/OFF-switchable audible signal
- LED Port/Status-Display with separate 2.0 Hub Display
- UHCI, OHCI USB Interface Support
- Independent or shareable USB2.0 Hub and PC-Port selection
- Permanent Keyboard /Mouse emulation for waiting times after the switch.
- Firmware over USB always updatable
- USB/Keyboard/Mouse emulation upgradeable
- Cascadable for 64 Servers
- OSD Menu in the following languages adjustable: German, English, Spanish, Italian , French, Portuguese, Korean, Cyrillic, Japanese, trad. Chinese, mod. Chinese
- Supports all USB suitable operating systems: for example DOS, Windows Series / Server 2008 / Server 2013, Linux, MacOS, etc.
- Compatible with MAC G3/G4, MACmini and iMAC. It works with Mac OS X 10.4.10 (and other systems)

## **Technical data:**

Connections	Graphic	8 x DVI-I Socket (use only DVI-D cable )
	Keyboard / Mouse	8 X USB-Typ-B
	External	3 x USB 2,0 (switchable)
	Power supply	1 x DC-12V
Connection cable (not included in the delivery)	USB / DVI-cable	KAB-102DVI (1,8m)
Switch	LCD settings	4 Pressure switch
	ON / OFF	1 Pressure switch
	OFF (LCD folded)	1 Semi-covert pressure switch
LED-Display panel	Operation	1 x green
	Number	1 x green
	Capital letters	1 x green
	Scroll	1 x green
LED-Display KVM	Port/Switch	8 x green (Port)
		8 x red (USB)
Emulation	Keyboard/ Mouse	Yes (HID with USB1.1)
	Display	Yes(A.S.R.)
Port selction	Hotkey /Key sequence of keyboard	
Graphic	19" LCD	1280 x 1024 (DVI Single Link)
	Colors	16,2 Mio.
	Frame Rate	H: 31,0 KHz. – 81,0 KHz. V: 56,0 KHz. – 76,0 KHz.
	Viewing angle	H: 140° / V: 130°
	Bandwith	140 Mhz.
	Brightness	300 cd/m <sup>2</sup>
	Contrast	700 : 1
	Reaktion time	4 ms.
	Pixel pitch	0,264mm (H) x 0,264mm (V)
	Backlight	LED
Input values	100 V. – 240 V. AC, 48 Hz – 62 Hz	
Output values	DC 12V., 4,16A	
Power consumption	230 V / 18,8 Watt	
Certification	RoHS, RoHS2, CE	
Environment	Operating temperature	0 – 40°C
	Storage temperature	-20 – 60°C
	Humidity	0 – 80% relative humidity (non condensing)
Physical properties	Casing	High performance steel
	Color	RAL 9005
	Weight	12,9 kg incl. angles
	Dimension (L x W x H) without handle	64,00 x 48,2 x 4,4cm (19" / 1U)
	Dimension (L x W x H) with handle	68,3 x 48,2 x 4,4cm (19" / 1U)
Packaging	Weight	17,1 kg
	Dimension (L x W x H)	77,5 x 58 x 21 cm

# AW-1908TU / AW-1916TU



- 19" LCD Monitor with LED Backlight
- 8 / 16 Port USB / PS/2 KVM
- 3 Port USB 2.0 Hub
- Depth 640mm only



The AW-1908 TU / AW-1916TU is a 19" LED-Monitor-Keyboard-Drawer with LED Backlight. A value keyboard with number block and Touchpad, an integrated 8 Port USB/PS/2 KVM and 3 USB front connectors are completing the external design. The casing conforms the 1U Standard, is easily installed and mountable with the included mounting kit.

## Specifications

- 8 / 16 Port tree-chainable Rackmount USB PS/2 KVM-Switch with OSD
- Almost the only KVM switch that reflects the monitor identifiers (DDC / EDID) to all ports permanently and the computer can reboot at any time and the resolution is still always displayed correctly.
- Full-time DDC Support = Monitor-Emulation = every server is the "original", permanent faked connected display to the KVM switch to avoid problems with boots in background.
- Tree-chainable for the next level up to 8 KVM-Switches
- Tree-chaining distance up to 5 meters
- Port capacity is scalable up to 64 PCs over tree-chaining with TU-models
- USB and PS/2 interface support on both sides - console and PC side
- Computer selection via push buttons, keyboard hotkeys and OSD menu
- Supports all USB suitable operating systems: for example DOS, Windows Series / Server 2008 / Server 2013, Linux, MacOS, etc.
- Compatible with MAC G3/G4, MACmini and iMAC. It works with Mac OS X 10.4.10 (and other systems)
- Numeric LED status indicators for clear display of port status
- Permanent Keyboard / Mouse emulation for safe function on all computers and operating systems.
- Pro-port controller to maintain the keyboard and mouse by error unless the KVM switch receives no external power supply.
- Advanced PS/2 mouse reset hotkeys for non-PnP OS, WinNT 4.0 and Linux
- Buzzer sound acknowledges the hotkey and port circuit (de-activated)
- AutoScan dwell time of 5 ~ 95 seconds for OSD programmable
- Password protection
- Auto-Logout, Timeout support
- Firmware / Software upgradeable

## Properties

- 1U 19" LCD console, 640 mm depth
- Stepless, adjustable angle from 0 to 105° over high quality unique torque hinges.
- Easy one man assembly with the included installation angles.
- Adjustable depth from 600mm up to 1130mm tread depth
- Chromed metal handle
- Practical knurled screws
- 3 Front USB-Connectors
- Integrated 8 / 16 Port USB / PS/2 KVM
- Integrated 3 Front USB-connectors 2.0
- High graphic resolution, up to 1280 x 1024 with 60Hz DDC, DDC2 und DDC2B

## Keyboard versions

**Available in following versions:** German (DE), US-English (US), French (FR), Spanish (SP), Italian (IT) and Swiss / German (CH)

**Versions available on request:** UK-English (UK), Turkish (TK), Russian(RU) and Arabian (AR)

Trackball version is possible, in combination with a [Cherry G84-4400](#) Trackball Keyboard.



## **Technical data:**

Connections KVM	Graphic	8 / 16 x HDDB-15
	External (hub)	3 x USB 2.0 (Type-A)
	Power supply	1 x DC-12V
Connection cable (not included in the delivery)	PS2/USB / VGA/ COMBO	KAB-102-4 (1,8m), KAB-103-4 (3,0m), KAB-105-4 (5,0m)
Switch	LCD settings	4 Pressure switch
	ON / OFF	1 Pressure switch
	OFF (LCD folded)	1 Semi-covert pressure switch
LED-Display panel	Operation	1 x green
	Number	1 x green
	Capital letters	1 x green
	Scroll	1 x green
LED-Display KVM	Port/Switch	8 / 16 x green (Port) 8 / 16 x red (USB)
Emulation	Keyboard/ Mouse	USB / PS/2
	Display	Yes
Port selection	Push Button / Hotkey / OSD	
Graphic	19" LCD	1280 x 1024
	Colors	16,2 Mio.
	Frame Rate	H: 31,0 KHz. – 82,0 KHz. V: 60,0 KHz. – 75,0 KHz.
	Viewing angle	H: 140° / V: 130°
	Bandwith	140 Mhz.
	Brightness	300 cd/m <sup>2</sup>
	Contrast	700 : 1
	Reaktion time	4 ms.
	Pixel pitch	0,264mm (H) x 0,264mm (V)
	Backlight	LED
Input values	100 V. – 240 V. AC, 48 Hz – 62 Hz	
Output values	DC 12V., 4,16A	
Power consumption	230 V / 16,8 Watts	
Certification	RoHS, RoHS2, CE	
Environment	Operating temperature	0 – 40°C
	Storage temperature	-20 – 60°C
	Humidity	0 – 80% relative humidity (non condensing)
Physical properties	Casing	High performance steel
	Color	RAL 9005
	Weight	12,9 kg incl. angles
	Dimension (L x W x H) without handle	64,00 x 43,6 x 4,4cm (19" / 1U)
	Dimension (L x W x H) with handle	68,20 x 43,6 x 4,4cm (19" / 1U)
Packaging	Weight	17,1 kg
	Dimension (L x W x H)	77,5 x 58 x 21 cm



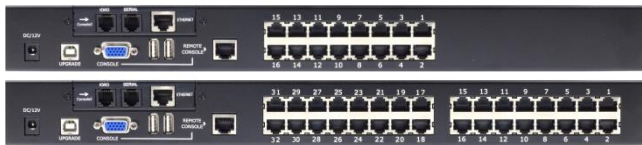
# AW-1916IP / AW-1932IP



- 19" LCD Monitor with LED Backlight
- 16 / 32 Port CAT.5 KVM with IP Modul
- Depth 640mm only



AW-1916IP / AW-1932 IP is a 19" Monitor-Keybaord-Drawer with LED Backlight. A value keyboard with number block and touchpad, the integrated 16 /32 Port CAT.5 KVM with IP module are completing the external design. The casing conforms the 1U Standard, is easily installed and mountable with the included mounting kit.



Two consoles and IP-Access, comfortable server management from different locations. Up to three user stations (1x locally, 1x "shared" on IP and 1 x "shared" with "optional" Receiver 1: 1 through CAT.x cable). Selection of different administrations. All operating options are showing the identical image in "competing" service.

## Properties

- 1U 19" LCD console , 640mm deep
- Stepless,adjustable angle from 0 to 105° over high quality and unique torque hinges
- Easy one man assembly with the provided angles
- Integrated 16 /32 Port CAT.5 KVM with IP module
- Adjustable depth from 600mm up to 1130 mm tread depth
- Chromed metal handle
- Practical knurled screws
- High graphic resolution, up to 1280 x 1024 with 60Hz DDC, DDC2 und DDC2B

## Keyboard versions

**Available in following versions:** German (DE), US-English (US), French (FR), Spanish (SP), Italian (IT) and Swiss / German (CH)

**Versions available on request:** UK-English (UK), Turkish (TK), Russian(RU) and Arabian (AR)

Trackball version is possible, in combination with a [Cherry G84-4400](#) Trackball Keyboard.



## Specifications

- CAT.x cabling for up to 30m distance connection
- Administration access from different locations
- Tree-chainable up to 16 KVM-Switches
- On-Screen-Display and system notifications as a Pop-Up
- Upgradeable Firmware
- "Remote" User-Management with dedicated-assignment and visibility of the respective user assigned server (user groups). The IP extender can work without ActiveX and even without Java extremely fast over a supplied Win32 client viewer software.
- Access via the platform-independent and fast Java viewer for all operating systems.
- "remote" in both viewers and the German "AltGr" and supports also the special characters | @ € ~ etc.
- The Viewer can be easily downloaded from the web interface
- Suitable for any PC / Server with PS/2 and / or USB
- Port capacity is scalable up to 256 PCs through Tree-chaining with PMC models
- Computer selection by Keyboard-Hotkeys and OSD-Menu
- additional console port (competing)
- With an additional (optional) Receiver PMC-300R and by an 1:1 Cat.x cable connection the control panel can be reflected
- Supports all USB suitable operating systems: for example DOS, Windows Series / Server 2008 / Server 2013, Linux, MacOS, etc.
- Numeric LED-Status displays to a clear display of the port status
- Buzzer sound confirms the hotkey and port circuit (de-activated)
- AutoScan dwell time of 5 ~ 95 seconds for OSD programmable
- Password protection
- Auto-Logout , Timeout-Support

## Technical data:

Connections KVM	Graphic / Keyboard / Mouse	16 / 32 x RJ-45
	Console(remote)	1 x RJ-45 for PMC-300R
	Console (local)	1 x VGA/2 x USB-A
	Firmware	1 x USB-B
	Power supply	1 x DC-12V
IP module	Remote	1 x RJ-45
	Serial	1 x RJ -11 (devices) 1 x RJ-11 (Hyper Terminal)
Connection cable / Dongle (not included in the delivery)	VGA & 2 x PS2	Dongle-PS/2 V3
	VGA & 1 x USB	Dongle-USB V3
Switch	LCD settings	4 Pressure switch
	ON / OFF	1 Pressure switch
	OFF (LCD folded)	1 Semi-covert pressure switch
LED-Display panel	Operation	1 x green
	Number	1 x green
	Capital letters	1 x green
	Scroll	1 x green
LED-Display KVM	Port/Switch	16 / 32 green (Port)
Emulation	Keyboard/ Mouse	USB & PS/2
	Display	Yes
Graphic	17" LCD	1280 x 1024
	Colors	16,2 Mio.
	Frame Rate	H: 31,0 KHz. – 81,0 KHz. V: 56,0 KHz. – 76,0 KHz.
	Viewing angle	H: 140° / V: 130°
	Bandwith	140 Mhz.
	Brightness	300 cd/m <sup>2</sup>
	Contrast	700 : 1
	Reaktion time	4 ms.
	Pixel pitch	0,264mm (H) x 0,264mm (V)
Backlight	LED	
Input values	100 V. – 240 V. AC, 48 Hz – 62 Hz	
Output values	DC 12V., 4,16A	
Power consumption	230 V / 14,6 Watt	
Certification	RoHS, RoHS2, CE	
Environment	Operating temperature	0 – 40°C
	Storage temperature	-20 – 60°C
	Humidity	0 – 80% relative humidity (non condensing)
Physical properties	Casing	High performance steel
	Color	RAL 9005
	Weight	14,9 kg incl. angles
	Dimension (L x W x H) without handle	64,00 x 43,6 x 4,4cm (19" / 1U)
	Dimension (L x W x H) with handle	68,20x 43,6 x 4,4cm (19" / 1U)
Packaging	Weight	17,1 kg
	Dimension (L x W x H)	77,5 x 58 x 21 cm



# AW-1916K5 / AW-1932K5



- 19" LCD Monitor with LED Backlight
- 16 / 32 Port CAT.5 KVM
- Depth 640mm only



AW-1916 K5 / AW-1932 K5 is a 19" Monitor-Keybaord-Drawer with LED Backlight. A value keyboard with number block and touchpad and the integrated 16 /32 Port CAT.5KVM are completing the external design. The casing conforms the 1U Standard, is easily installed and mountable with the included mounting kit.



## Properties

- 1U 19" LCD console, 640mm depth
- Stepless, adjustable angle from 0 to 105° over high quality unique torque hinges
- Easy one man assembly with the included installation angles.
- Adjustable depth from 600mm up to 1130mm tread depth
- 3 Front USB-connectors
- Integrated 16 /32 port CAT.5 KVM
- Chromed metal handle
- Practical knurled screws
- High graphic resolution, up to 1280 x 1024 with 60Hz DDC, DDC2 and DDC2B

## Keyboard versions

**Available in following versions:** German (DE), US-English (US), French (FR), Spanish (SP), Italian (IT) and Swiss / German (CH)

**Versions available on request:** UK-English (UK), Turkish (TK), Russian (RU) and Arabian (AR)

Trackball version is possible, in combination with a [Cherry G84-4400](#) Trackball Keyboard.

## Specifications

- Tree-chainable for next level up to 16 KVM-switches
- Tree-chaining distance up to 5 meters
- Port capacity is scalable up to 256 PCs through tree-chaining with PMC models
- Computer selection by Keyboard -Hotkeys and OSD-Menu
- On-Screen-Display and system notification as a Pop-Up
- Additional console port (competing)
- With an additional (optional) receiver PMC-300R and by an 1:1 Cat.x cable connection the control panel can be reflected.
- Supports all USB suitable operating systems: for example DOS, Windows Series / Server 2008 / Server 2013, Linux, MacOS, etc.
- Numeric LED-Status displays for a clear display of the port status
- Buzzer sound confirms the hotkey and port circuit (de-activated)
- AutoScan dwell time of 5 ~ 95 seconds for OSD programmable
- Password protection
- Auto-Logout, Timeout-Support
- Firmware / Software upgradeable



## Technical data:

Connections KVM	Graphic / Keyboard / Mouse	16 x 32 x RJ-45
	Console(remote)	1 x RJ-45 for PMC-300R
	Console (local)	1 x VGA/2 x USB-A
	Firmware	1 x USB-B
	Power supply	1 x DC-12V
	Remote	1 x RJ-45
Connection cable / Dongle (not included in the delivery)	VGA & 2 x PS2	Dongle-PS/2 V3
	VGA & 1 x USB	Dongle-USB V3
Switch	LCD settings	4 Pressure switch
	ON / OFF	1 Pressure switch
	OFF (LCD folded)	1 Semi-covert pressure switch
LED-Display panel	Operation	1 x green
	Number	1 x green
	Capital letters	1 x green
	Scroll	1 x green
LED-Display KVM	Port/Switch	16 /32 green (Port)
Emulation	Keyboard/ Mouse	USB & PS/2
Graphic	19" LCD	1280 x 1024
	Colors	16,2 Mio.
	Frame Rate	H: 31,0 KHz. – 82,0 KHz. V: 60,0 KHz. – 75,0 KHz.
	Viewing angle	H: 140° / V: 130°
	Bandwith	140 Mhz.
	Brightness	300 cd/m <sup>2</sup>
	Contrast	700 : 1
	Reaktion time	4 ms.
	Pixel pitch	0,264mm (H) x 0,264mm (V)
	Backlight	LED
Input values	100 V. – 240 V. AC, 48 Hz – 62 Hz	
Output values	DC 12V., 4,16A	
Power consumption	230 V / 14,6 Watt	
Certification	RoHS, RoHS2, CE	
Environment	Operating temperature	0 – 40°C
	Storage temperature	-20 – 60°C
	Humidity	0 – 80% relative humidity (non condensing)
Physical properties	Casing	High performance steel
	Color	RAL 9005
	Weight	14,9 kg incl. angles
	Dimension (L x W x H) without handle	64,00 x 43,6 x 4,4cm (19" / 1U)
	Dimension (L x W x H) with handle	68,20x 43,6 x 4,4cm (19" / 1U)
Packaging	Weight	17,1 kg
	Dimension (L x W x H)	77,5 x 58 x 21 cm