





Mini IP KVM User Manual

Desktop Remote Server Management at Anywhere





- ★ 1-port, 2-port, 4-port IP KVM Gateway
- ★ User Friendly IP Remote Access
- ★ OS Support : Mac / Windows / Linux

Legal Information

First English printing, October 2023

Information in this document has been carefully checked for accuracy; however, no guarantee is given to the correctness of the contents. The information in this document is subject to change without notice. We are not liable for any injury or loss that results from the use of this equipment.

Safety Instructions

Please read all of these instructions carefully before you use the device. Save this manual for future reference.

- Unplug equipment before cleaning. Don't use liquid or spray detergent; use a moist cloth.
- Keep equipment away from excessive humidity and heat. Preferably, keep it in an air-conditioned environment with temperatures not exceeding 40° Celsius (104° Fahrenheit).
- When installing, place the equipment on a sturdy, level surface to prevent it from accidentally falling and causing damage to other equipment or injury to persons nearby.
- When the equipment is in an open position, do not cover, block or in any way obstruct the gap between it and the power supply. Proper air convection is necessary to keep it from overheating.
- Arrange the equipment's power cord in such a way that others won't trip or fall over it.
- If you are using a power cord that didn't ship with the equipment, ensure that it is rated for the voltage and current labeled on the equipment's electrical ratings label. The voltage rating on the cord should be higher than the one listed on the equipment's ratings label.
- Observe all precautions and warnings attached to the equipment.
- If you don't intend on using the equipment for a long time, disconnect it from the power outlet to prevent being damaged by transient over-voltage.
- Keep all liquids away from the equipment to minimize the risk of accidental spillage. Liquid spilled on to the power supply or on other hardware may cause damage, fire or electrical shock.
- Only qualified service personnel should open the chassis. Opening it yourself could damage the equipment and invalidate its warranty.
- If any part of the equipment becomes damaged or stops functioning, have it checked by qualified service personnel.

What the warranty does not cover

- Any product, on which the serial number has been defaced, modified or removed.
- Damage, deterioration or malfunction resulting from:
 - Accident, misuse, neglect, fire, water, lightning, or other acts of nature, unauthorized product modification, or failure to follow instructions supplied with the product.
 - Repair or attempted repair by anyone not authorized by us.
 - Any damage of the product due to shipment.
 - Removal or installation of the product.
 - Causes external to the product, such as electric power fluctuation or failure.
 - \Box Use of supplies or parts not meeting our specifications.
 - \Box Normal wear and tear.
 - \square Any other causes which does not relate to a product defect.
- Removal, installation, and set-up service charges.

Regulatory Notices Federal Communications Commission (FCC)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

Any changes or modifications made to this equipment may void the user's authority to operate this equipment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Re-position or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Contents

< Part 1 >	IP Setting	P.3
< Part 2 >	Model coverage and package content	P.6
< Part 3 >	USB-C IP KVM	P.7
3.1	Specification	
3.2	Design Overview	
3.3	I/O & Connection	
< Part 4 >	HDMI IP KVM	P.9
4.1	Specification	
4.2	Design Overview	
4.3	I/O & Connection	
< Part 5 >	VGA IP KVM	P.11
5.1	Specification	
5.2		
5.3	I/O & Connection	
< Part 6 >	DVI-D IP KVM	P.13
6.1	Specification	
6.2	Design Overview	
6.3	I/O & Connection	

< Part 1 > IP Setup

Please make sure to follow the below steps to setup your KVM IP properly.

I. Configure the target server

The target server is the server that connected to the IP KVM Switch. Before use IP remote access, you need to turn off mouse acceleration of all target servers. Please refer to below for Windows operating system.

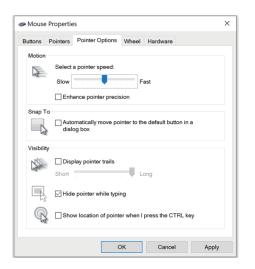
Mouse setting

From the Control Panel, double-click the Mouse icon to open the Mouse Properties dialog box.

1. Move the pointer speed slider to the default of 50%.

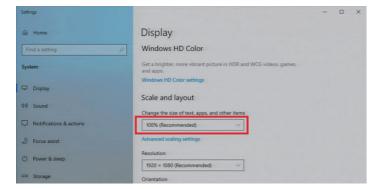
(the middle of the slider or the sixth tick from the left).

- 2. Uncheck "Enhance pointer precision".
- 3. Uncheck "Automatically move pointer to the default button in a dialog box" & "Display pointer trails".
- 4. Windows enables mouse acceleration by default. Make sure you are logged in to windows to check mouse synchronization.
- 5. Mouse acceleration can only be turned off on a per Windows user basis. If you log in to Windows with a different user name, then you will have to configure mouse properties separately for that user as well.



Change display scaling setting 100%

- 1. Open Settings.
- 2. Click on System.
- 3. Click on Display.
- 4. Under the "Scale and layout" section, select the scale 100%.



II. Logging in to IP KVM

The default IP address is as below:IP address:192.168.1.22Subnet mask:255.255.255.0Gateway:192.168.1.1

IP KVM model with single IP port:

- Default address 192.168.1.22

IP KVM model with dual IP ports:

- The 1st IP address 192.168.1.22
- The 2nd IP address 192.168.1.23

To log in to the IP KVM do as follows:

1. Open the browser on the client, in the address bar, enter the default IP KVM address (192.168.1.22)

CyberView [™]	
Login Name	
Enter Login Name	
Password Enter Password	
Enter Password	
Login	
ight 2021 - All Rights Reserved - Austin Hug	hes Electronics Ltd.

- 2. In login dialog box, enter the user name and password, then click **Login**, the default user name is **super** and the default password is **pass**.
- 3. The IP KVM GUI is displayed, and the navigation bar is on left-side.



III. Configure Remote Console Resolution

The IP remote console displayed on the HTML5-based browser support multiple types of resolution, with a maximum of 1,920 x 1,200.

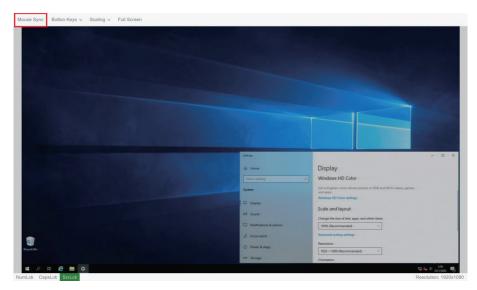
Click **Remote Console** and then **Resolution**, the Remote Console Video page is displayed, select the same resolution as target servers, click **Apply** to save the resolution.

CyberView [™]				Home	Logout
Control		Remote Cor	nsole Video		
📸 User Management					
	Resolution Set		1920x1200 ~		
Remote Console ~			1920x1200		
			1920x1080		
Resolution		Api	1600x1200 1440x900		
			1280x1024		
			1290x720		
Oevice Settings			1024x768		
			800x600		
X Maintenance			640x480		

IV. Launch remote console

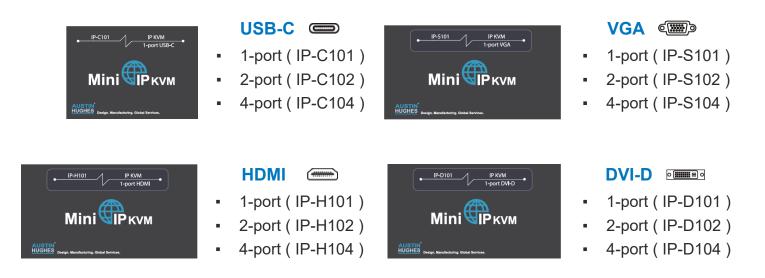
Click **Control** and then **Remote console**, the Remote console Preview is displayed, then Click **Connect**, the remote console opens in a separate windows.

When first start, the local mouse is not synchronized with the remote mouse, it appears at a distance to each other, press the **Mouse Sync** once (positioning top left corner), the mouse will align.



< Part 2 > Model coverage and package content

Model Coverage



Package Content

Models	Package items
IP-C101	USB-C 1-port Mini IP KVM x 1, USB-C to USB-A 6ft power cable x 1, Mounting set x 1
IP-C102	USB-C 2-port Mini IP KVM x 1, USB-C to USB-A 6ft power cable x 1, Mounting set x 1
IP-C104	USB-C 4-port Mini IP KVM x 1, USB-C to USB-A 6ft power cable x 1, Mounting set x 1
IP-H101	HDMI 1-port Mini IP KVM x 1, USB-C to USB-A 6ft power cable x 1, Mounting set x 1
IP-H102	HDMI 2-port Mini IP KVM x 1, USB-C to USB-A 6ft power cable x 1, Mounting set x 1
IP-H104	HDMI 4-port Mini IP KVM x 1, USB-C to USB-A 6ft power cable x 1, Mounting set x 1
IP-S101	VGA 1-port Mini IP KVM x 1, USB-C to USB-A 6ft power cable x 1, Mounting set x 1
IP-S102	VGA 2-port Mini IP KVM x 1, USB-C to USB-A 6ft power cable x 1, Mounting set x 1
IP-S104	VGA 4-port Mini IP KVM x 1, USB-C to USB-A 6ft power cable x 1, Mounting set x 1
IP-D101	DVI-D 1-port Mini IP KVM x 1, USB-C to USB-A 6ft power cable x 1, Mounting set x 1
IP-D102	DVI-D 2-port Mini IP KVM x 1, USB-C to USB-A 6ft power cable x 1, Mounting set x 1
IP-D104	DVI-D 4-port Mini IP KVM x 1, USB-C to USB-A 6ft power cable x 1, Mounting set x 1

< Part 3 > USB-C IP KVM



Benefits

- IP remote access to PC(s) with USB-C connection
- 1-port, 2-port, 4-port models for selection
- OS Support : Mac / Windows / Linux
- Stylish mini size chassis for limited spacing environment
- Powerful quad-core processor for high quality video & image via IP
- Enterprise level IP authentication
- User-friendly HTML-base & Java-free remote access over IP
- Support BIOS access, no need to run OS on the connected PC(s)
- Hot pluggable, no software or drivers required
- 2 x USB hub port share peripheral devices among PC(s)

Max. 11W

IP Console	
Connector	1000 BaseT Gigabit Ethernet Port(RJ45)
User management	1 x active user, 15-user login
Network protocol	DHCP / BOOTP / DNS
Security	TLS 1.3, AES, LDAP, Active Directory (AD), HTTP(s)
Browser	Safari, Chrome, Firefox, Edge, etc.
Resolution (max)	1920 x 1080 / 1920 x 1200 / 1600 x 1200

KVM Port			
Port number	1/2/4		
Connector	USB-C (Video + KB / MS)		
Resolution (max)	1920 x 1080 / 1920 x 1200 / 1600 x 1200		

Compatibility			
Hardware compatibility	Mac / HP / IBM / Dell PC, Server and Blade Server		
OS support	Mac / Windows / Linux		
Compliance			
EMC	FCC & CE		
Safety	CE / LVD , UKCA & CB		
Environment	RoHS3 & REACH		
Environment			
Operating temp.	0 to 55°C degree		
Storage temp.	-20 to 60°C degree		
Operating humidity	20 to 90%, non-condensing		
Storage humidity	5 to 90%, non-condensing		
Operating altitude	16,000 ft		
Non-operating altitude	40,000 ft		
Shock	10G acceleration(11ms duration)		
Vibration	5~500Hz 1G RMS random vibration		
Power			
Input	USB-C		

Local Console			
Video	1 x HDMI 1.4		
Keyboard / Mouse	2 x USB-A		
USB Hub 2.0	2 x USB-A		
Resolution (max)	1920 x 1080 / 1920 x 1200 / 1600 x 1200		

Physical	IP-C101	IP-C102	IP-C104
Product (W x D x H)	120 x 87 x 30 (mm)	160 x 87 x 30 (mm)	220 x 87 x 44 (mm)
	4.72 x 3.43 x 1.18 (inch)	6.30 x 3.43 x 1.18 (inch)	8.66 x 3.43 x 1.73 (inch)
Packing (W x D x H)		358 x 257 x 55 mm	
		14.09 x 10.12 x 2.17 inch	
Weight Net	0.445 kg / 0.981 lb	0.578 kg / 1.274 lb	0.712 kg / 1.569 lb
Gross	0.745 kg / 1.642 lb	0.878 kg / 1.936 lb	1.212 kg / 2.672 lb
Chassis color		Dark	
Chassis materials		Steel	

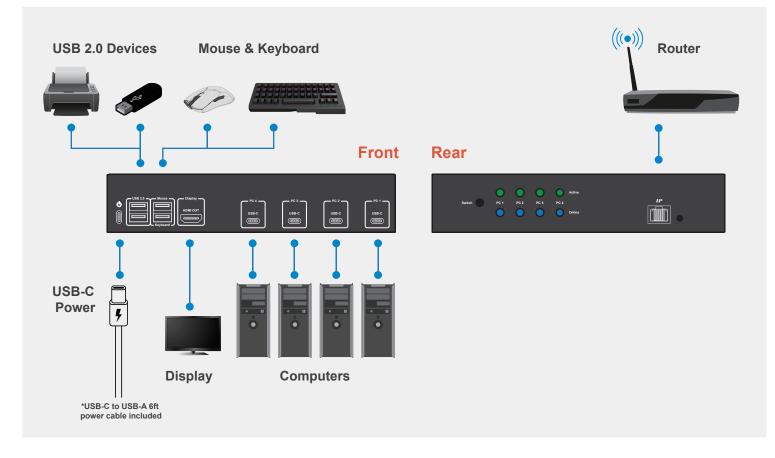
Consumption

< 3.1 > Specifications

< 3.2 > Design Overview

Тор	IP-C101 I-port USB-C Mini Erokvm	AUSTIN' NUGHES besign Manda		AUSTIN HUGHES Design Mand	IP-C104 IP KVM 4-port USB-C Mini P KVM sturng, Global Services.
	1-port USB-C Input		2-port USB-C Input		4-port USB-C Input
Front					
Rear		0		bena e	7 8 0 0 N2 PC1 PC1 PC1 O 0
1 Po	ower input	2	USB-A for USB 2.0 Devices	3	USB-A for Keyboard & Mouse
4 на	DMI Output to Monitor	5	USB-C to Computers	6	PC Selection Switch (4-port model only)
🚺 LE	ED Indicators (4-port model only)	8	1000 BaseT Gigabit Etherne	t 🧐	Reset

< 3.3 > Connection Diagram



UM-Mini IP KVM-Q124V1

< Part 4 > HDMI IP KVM



Benefits

- IP remote access to PC(s) with HDMI connection
- 1-port, 2-port, 4-port models for selection
- OS Support : Mac / Windows / Linux
- Stylish mini size chassis for limited spacing environment
- Powerful quad-core processor for high quality video & image via IP
- Enterprise level IP authentication
- User-friendly HTML-base & Java-free remote access over IP
- Support BIOS access, no need to run OS on the connected PC(s)
- Hot pluggable, no software or drivers required
- 2 x USB hub port share peripheral devices among PC(s)

Max. 11W

IP Console	
Connector	1000 BaseT Gigabit Ethernet Port(RJ45)
User management	1 x active user, 15-user login
Network protocol	DHCP / BOOTP / DNS
Security	TLS 1.3, AES, LDAP, Active Directory (AD), HTTP(s)
Browser	Safari, Chrome, Firefox, Edge, etc.
Resolution (max)	1920 x 1080 / 1920 x 1200 / 1600 x 1200

KVM Port	
Port number	1/2/4
Connector	HDMI 1.4 + USB-B (Video + KB / MS)
Resolution (max)	1920 x 1080 / 1920 x 1200 / 1600 x 1200

Compatibility	
Hardware compatibility	Mac / HP / IBM / Dell PC, Server and Blade Server
OS support	Mac / Windows / Linux
Compliance	
EMC	FCC & CE
Safety	CE / LVD , UKCA & CB
Environment	RoHS3 & REACH
Environment	
Operating temp.	0 to 55°C degree
Storage temp.	-20 to 60°C degree
Operating humidity	20 to 90%, non-condensing
Storage humidity	5 to 90%, non-condensing
Operating altitude	16,000 ft
Non-operating altitude	40,000 ft
Shock	10G acceleration(11ms duration)
Vibration	5~500Hz 1G RMS random vibration
Power	
Input	USB-C

Local Console	
Video	1 x HDMI 1.4
Keyboard / Mouse	2 x USB-A
USB Hub 2.0	2 x USB-A
Resolution (max)	1920 x 1080 / 1920 x 1200 / 1600 x 1200

Physical	IP-H101	IP-H102	IP-H104
Product (W x D x H)	160 x 87 x 30 (mm)	220 x 87 x 30 (mm)	220 x 87 x 44 (mm)
	6.30 x 3.43 x 1.18 (inch)	8.66 x 3.43 x 1.18 (inch)	8.66 x 3.43 x 1.73 (inch)
Packing (W x D x H)		358 x 257 x 55 mm	
		14.09 x 10.12 x 2.17 inch	
Weight Net	0.469 kg / 1.034 lb	0.609 kg / 1.343 lb	0.750 kg / 1.653 lb
Gross	0.769 kg / 1.695 lb	0.909 kg / 2.005 lb	1.250 kg / 2.756 lb
Chassis color	Dark		
Chassis materials		Steel	

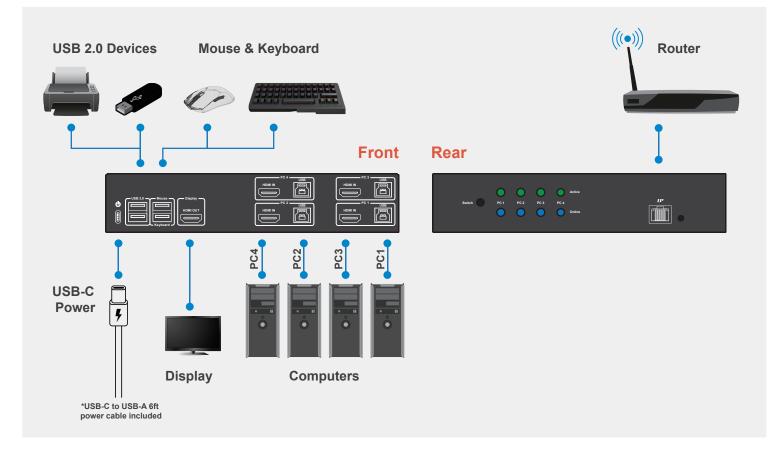
Input Consumption

< 4.1 > Specifications

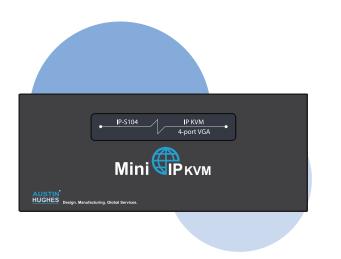
< 4.2 > Design Overview

Top P-H101 P KVM 1-port HDMI Mini P KVM 1-port HDMI Design Mandecluring Global Brutese	IP-H102 IP KVM 2-port HDMI C-port HDMI C	IP-H104 IP KVM 4-port HDM • • • • • • • • • • • • • • • • • • •
1-port HDMI Input	2-port HDMI Input	4-port HDMI Input
Rear	•	6 7 8 9
1 Power input	2 USB-A for USB 2.0 Devices	3 USB-A for Keyboard & Mouse
4 HDMI Output to Monitor	5 HDMI to Computers	6 PC Selection Switch (4-port model only)
1 LED Indicators (4-port model onl	y) 8 1000 BaseT Gigabit Ethernet	9 Reset

< 4.3 > Connection Diagram



< Part 5 > VGA IP KVM



Benefits

- IP remote access to PC(s) with VGA connection
- 1-port, 2-port, 4-port models for selection
- OS Support : Mac / Windows / Linux
- Stylish mini size chassis for limited spacing environment
- Powerful quad-core processor for high quality video & image via IP
- Enterprise level IP authentication
- User-friendly HTML-base & Java-free remote access over IP
- Support BIOS access, no need to run OS on the connected PC(s)
- Hot pluggable, no software or drivers required
- 2 x USB hub port share peripheral devices among PC(s)

Max. 11W

IP Console		
	Connector	1000 BaseT Gigabit Ethernet Port(RJ45
	User management	1 x active user, 15-user login

< 5.1 > Specifications

User management	1 x active user, 15-user login
Network protocol	DHCP / BOOTP / DNS
Security	TLS 1.3, AES, LDAP, Active Directory (AD), HTTP(s)
Browser	Safari, Chrome, Firefox, Edge, etc.
Resolution (max)	1920 x 1080 / 1920 x 1200 / 1600 x 1200

KVM Port	KVM Port		
Port number	1/2/4		
Connector	VGA + USB-B (Video + KB / MS)		
Resolution (max)	1920 x 1080 / 1920 x 1200 / 1600 x 1200		

Compatibility	
Hardware compatibility	Mac / HP / IBM / Dell PC, Server and Blade Server
OS support	Mac / Windows / Linux
Compliance	
EMC	FCC & CE
Safety	CE / LVD , UKCA & CB
Environment	RoHS3 & REACH
Environment	
Operating temp.	0 to 55°C degree
Storage temp.	-20 to 60°C degree
Operating humidity	20 to 90%, non-condensing
Storage humidity	5 to 90%, non-condensing
Operating altitude	16,000 ft
Non-operating altitude	40,000 ft
Shock	10G acceleration (11ms duration)
Vibration	5~500Hz 1G RMS random vibration
Power	
Input	USB-C

Local Console	
Video	1 x VGA
Keyboard / Mouse	2 x USB-A
USB Hub 2.0	2 x USB-A
Resolution (max)	1920 x 1080 / 1920 x 1200 / 1600 x 1200

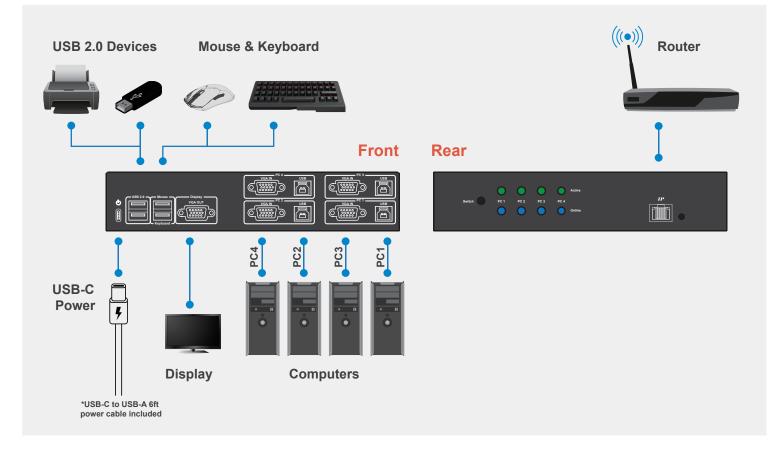
Physical	IP-S101	IP-S102	IP-S104
Product (W x D x H)	160 x 87 x 30 (mm)	220 x 87 x 30 (mm)	220 x 87 x 44 (mm)
	6.30 x 3.43 x 1.18 (inch)	8.66 x 3.43 x 1.18 (inch)	8.66 x 3.43 x 1.73 (inch)
Packing (W x D x H)		358 x 257 x 55 mm	
		14.09 x 10.12 x 2.17 inch	
Weight Net	0.472 kg / 1.04 lb	0.613 kg / 1.351 lb	0.754 kg / 1.662 lb
Gross	0.772 kg / 1.702 lb	0.913 kg / 2.013 lb	1.254 kg / 2.765 lb
Chassis color	Dark		
Chassis materials		Steel	

Consumption

< 5.2 > Design Overview

Тор IP KVM IP KVM IP-S104 IP KVM rt VGA 2-port VGA 4-port VGA Mini Mini Mini **ШР**кум AUSTIN HUGHES AUSTIN HUGHES AUSTIN[®] HUGHES 4-port VGA Input 1-port VGA Input 2-port VGA Input 1234 5 Front ()) | 0 é de la composición de la composicinde la composición de la composición de la composición de la compos éiiii) Ē (.....) ¢ ()) ā 89 6 7 Rear 1 Power input 2 USB-A for USB 2.0 Devices USB-A for Keyboard & Mouse (4) HDMI Output to Monitor 5 VGA to Computers 6 PC Selection Switch (4-port model only) 7 LED Indicators (4-port model only) 8 1000 BaseT Gigabit Ethernet 9 Reset

< 5.3 > Connection Diagram



< Part 6 > DVI-D IP KVM



Benefits

- IP remote access to PC(s) with DVI-D connection
- 1-port, 2-port, 4-port models for selection
- OS Support : Mac / Windows / Linux
- Stylish mini size chassis for limited spacing environment
- Powerful quad-core processor for high quality video & image via IP
- Enterprise level IP authentication
- User-friendly HTML-base & Java-free remote access over IP
- Support BIOS access, no need to run OS on the connected PC(s)
- Hot pluggable, no software or drivers required
- 2 x USB hub port share peripheral devices among PC(s)

IP Console	IP Console		

< 6.1 > Specifications

Connector	1000 BaseT Gigabit Ethernet Port(RJ45)	
User management	1 x active user, 15-user login	
Network protocol	DHCP / BOOTP / DNS	
Security	TLS 1.3, AES, LDAP, Active Directory (AD), HTTP(s)	
Browser	Safari, Chrome, Firefox, Edge, etc.	
Resolution (max)	1920 x 1080 / 1920 x 1200 / 1600 x 1200	

KVM Port		
Port number	1/2/4	
Connector	DVI-D + USB-B (Video + KB / MS)	
Resolution (max)	1920 x 1080 / 1920 x 1200 / 1600 x 1200	

Compatibility			
Hardware compatibility	Mac / HP / IBM / Dell PC, Server and Blade Server		
OS support	Mac / Windows / Linux		
Compliance			
EMC	FCC & CE		
Safety	CE / LVD , UKCA & CB		
Environment	RoHS3 & REACH		
Environment			
Operating temp.	0 to 55°C degree		
Storage temp.	-20 to 60°C degree		
Operating humidity	20 to 90%, non-condensing		
Storage humidity	5 to 90%, non-condensing		
Operating altitude	16,000 ft		
Non-operating altitude	40,000 ft		
Shock	10G acceleration(11ms duration)		
Vibration	5~500Hz 1G RMS random vibration		
Power			
Input	USB-C		

Max. 11W

Local Console	
Video	1 x DB-15
Keyboard / Mouse	2 x USB-A
USB Hub 2.0	2 x USB-A
Resolution (max)	1920 x 1080 / 1920 x 1200 / 1600 x 1200

Physical	IP-D101	IP-D102	IP-D104	
Product (W x D x H)	160 x 87 x 30 (mm)	220 x 87 x 30 (mm)	220 x 87 x 44 (mm)	
	6.30 x 3.43 x 1.18 (inch)	8.66 x 3.43 x 1.18 (inch)	8.66 x 3.43 x 1.73 (inch)	
Packing (W x D x H)		358 x 257 x 55 mm		
		14.09 x 10.12 x 2.17 inch		
Weight Net	0.480 kg / 1.058 lb	0.623 kg / 1.373 lb	0.767 kg / 1.690 lb	
Gross	0.780 kg / 1.719 lb	0.923 kg / 2.034 lb	1.267 kg / 2.793 lb	
Chassis color		Dark		
Chassis materials	Steel			

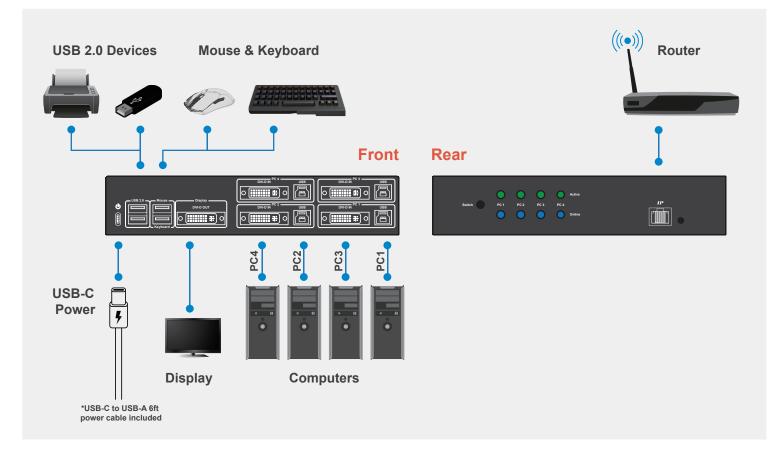
Consumption

< 6.2 > Design Overview

Тор



< 6.3 > Connection Diagram



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