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4 Downloads

Manual

We continue to develop and improve our products, adding new functions and features on a regular basis, so we want you to always have the latest manual. For this reason, we do not include a manual in an electronic or printed form but kindly ask you to download the latest manual using the following link.

ihse.com/manual

Tera Tool

The Tera Tool provides following functions:

- Advanced configuration
- Extended monitoring options
- System update (firmware update)
- Local backup option
- Documentation

Please download the Tera Tool from the following download link:

ihse.com/software

5 Technical Support

Prior to contacting support, please ensure you have read this manual, and then installed and set-up your device as recommended.

Support Checklist

To efficiently handle your request, it is necessary that you complete a support request checklist:

ihse.com/checklist

Please have the following information available before you call:

- Company, name, phone number and e-mail address
- Type and serial number of the device (see bottom of device)
- Date and number of sales receipts, name of dealer if necessary
- Issue date of the existing manual
- Nature, circumstances, and duration of the problem
- Involved components (such as graphic source/CPU, OS, graphic card, monitor, USB HID/USB 2.0 devices, interconnect cable) including manufacturer and model number
- Results from any testing you have done

Shipping Checklist

1. To return your device, please contact your dealer to obtain an RMA number (Return-Material-Authorization).
2. Package your devices carefully, preferably using the original box. Add all pieces which you received originally.
3. Please note your RMA number visibly on your shipment.

i Please understand that devices which are sent in without an RMA number cannot be accepted. The shipment will be sent back without being opened; postage unpaid.

Draco vario IP Gateway CON

KVM Extender Modules

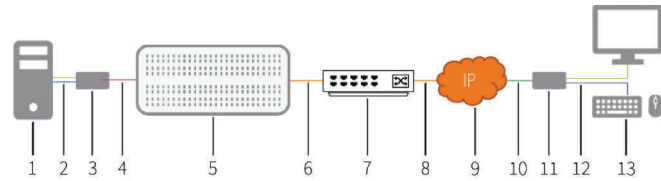


1 Package Contents

Please check if your package contains the following items:

Product type	Delivery scope
Draco vario IP Gateway	<ul style="list-style-type: none"> 1x CON Unit in Draco vario chassis Quick Setup

2 System Overview



- | | |
|--------------------------------------|--|
| 1 Sources | 8 10G network cable |
| 2 Video/USB cable | 9 Distributed network |
| 3 CPU Unit | 10 1G network cable |
| 4 Interconnect cable | 11 Draco vario IP Gateway CON (IP Gateway CON) |
| 5 Draco tera IP Gateway (IP Gateway) | 12 Video/USB cable |
| 6 10G network cable | 13 Sinks (monitor, keyboard, mouse) |
| 7 Network Switch | |

3 System Setup

First-time users are recommended to set up the system in a test environment that is limited to a single room. This makes it easier to identify and solve any cabling problems, and experiment with your system more conveniently.

- ➔ Switch off all devices.

Requirements

- The IP Gateway system has been connected and basically configured according to the Draco tera user manual.
- The CPU Unit has been connected to the IP Gateway and the CPU EXT Unit has been configured.
- The IP Gateway board has been connected to a network switch via 10G network cable.

Connecting the IP Gateway CON

- Connect the monitor(s), keyboard, and mouse to the IP Gateway CON.
- Connect a Cat X/fiber cable to link port #1 of the IP Gateway CON.
- Connect the Cat X/fiber cable to your LAN.
- Connect the chassis of the CON to the power supply unit(s)/power socket(s).

Configuring Basic Settings of the IP Gateway CON

- Power on the chassis with the IP Gateway CON.
- If using a system without DHCP server, set the IP address of your computer to 192.168.100.xxx except 192.168.100.99.
- Connect a network cable between link #1 of the IP Gateway CON and a computer.
- Run the Tera Tool.
- Click **Extras > Search IP Extender** in the menu bar.
- Change the hostname.

If using a system without DHCP server, it is recommended to deactivate DHCP and to enter a static IP address different from the default IP address 192.168.100.99 because this is the default IP address of the Draco tera IP Gateway.

- ➔ Note: The IP Gateway CON will restart and will only be found when connecting to the respective network.

- Click **Apply** to confirm the changes.
- Click **Close** to close the **Search IP Extender** dialog.

Configuring Advanced Settings of the IP Gateway CON

To enable a port for use with an IP Gateway CON, proceed as follows:

- Connect link port #1 of the IP Gateway CON to the network.
- Establish a network connection between the Draco tera IP Gateway and the Tera Tool to assign the IP Gateway CON (please refer to the manual). The default IP address is 192.168.100.99 and DHCP is deactivated.
- Click **System Settings > IP Gateway** in the task area.
- Click **Activate Edit Mode** in the toolbar.

- Click the slot for which an IP Gateway CON connection has to be set up.
- By default, the **Type** is set to Grid. Double-click on the corresponding selection box of the channel to be configured within the **Type** column and select **EXT Unit**.

#	Type	Sourc...	Select Grid Channel	Destination IP ...	Destination Port	Destination M...	Delete
01	Grid	52000		0.0.0.0	0		<input type="checkbox"/>
02	Grid	52001		0.0.0.0	0		<input checked="" type="checkbox"/>
03	Grid	52002		0.0.0.0	0		<input checked="" type="checkbox"/>
04	EXT Unit	52003		192.168.170.1...	52000	00:21:5F:0D:0...	<input checked="" type="checkbox"/>
05	Grid	52004		0.0.0.0	0		<input checked="" type="checkbox"/>
06	Grid	52005		0.0.0.0	0		<input checked="" type="checkbox"/>
07	Grid	52006		0.0.0.0	0		<input checked="" type="checkbox"/>
08	Grid	52007		0.0.0.0	0		<input checked="" type="checkbox"/>

Apply Cancel

- Click **Apply** to confirm the selection.
- Click **Deactivate Edit Mode** in the toolbar or follow directly with the next task.

To assign an IP Gateway CON to the enabled port of the IP Gateway, proceed as follows:

- Click **System Settings > IP Extender** in the task area.
- Click **Activate Edit Mode** in the toolbar.
- Click **Search Extender** at the bottom of the working area.
The **Search IP Extender** dialog appears, listing all IP Gateway CONs that are recognized in the same subnet.
- Click the desired IP Gateway CON.
The IP Gateway CON network settings are displayed on the right side of the dialog.

Search IP Extender

Available IP extenders within the local network

ID	Name	Destination	Status
01	40316999	EXT_040316999	

Broadcast/Multicast: 255 . 255 . 255

ID: 40316999

Name: EXT_040316999

Hostname: IP_CON

DHCP:

IP Address: 192 . 168 . 100 . 99

Port: 52100

Mac Address: 00:21:5F:0D:00:04

Destination: 0.0.0.0:52000

Apply Cancel

Reload Close

- Click **Apply** to confirm the IP Gateway CON settings.

- Click **Close** to return in the **IP Extender** menu.

We recommend saving the configuration to the IP Gateway and to restart the IP Gateway after setting up the IP Gateway CON. Select **Configuration > Save** and then restart the IP Gateway by selecting **Configuration > Restart Matrix**.

Managing the EDID

By default, data from the EDID is reported to the source (computer, CPU). If these are not optimal settings for the display device, the EDID of the console monitor can be downloaded and stored internally. The devices have to be configured accordingly.

On IP Gateway CONs with USB HID ports, you can load the EDID of the console monitor via keyboard command under operating conditions.

- Switch the CPU Unit to the CON Unit.
- Enter the **Hot Key** to start the command mode.
The Caps Lock and Scroll Lock LEDs on the keyboard are flashing.
- Press **a** to load the EDID from the console monitor.
The screen will go black for a short time and the LEDs of the CPU Unit and CON Unit flash briefly. At the same time the command mode is closed, and the keyboard LEDs return to previous status.
- Restart the corresponding source.
The video mode has been readjusted. Screen quality should be optimal. The source should now show the console monitor as the current screen, together with the available video resolutions.
If the EDID was loaded once, the EDID can be reloaded by repeating the process.