Configuration Manual

Contact Information

Contact Information for DeepInspect is available at deepinspect.it. The "Contact Us" form addresses frequently asked questions, offers resolutions for identified issues, includes product documentation and specific case management.

For technical issues please contact support@deepinspect.it

To obtain the configuration manual/instructions, please scan the following QR code or contact the DeepInspect support team directly at support@deepinspect.it

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HARDWARE DESCRIPTIONS

The railway product delivered by Netwitness OT Data Collector is hosted on a DeepInspect powered hardware, which is a server device with railway type-approval certification. The products are shipped with Netwitness OT Data Collector software installed.

Package Contents:

The listed items will be provided inside the packing box. Upon receiving the package, kindly ensure that the following items are present:

- Netwitness OT Data Collector physical host
- Rack support kit (support + screws)
- Adaptors for power supply
- Adaptors for COM ports
- Installation Manual

If any item is found to be missing or damaged, please reach out to us promptly at support@deepinspect.it for immediate assistance.
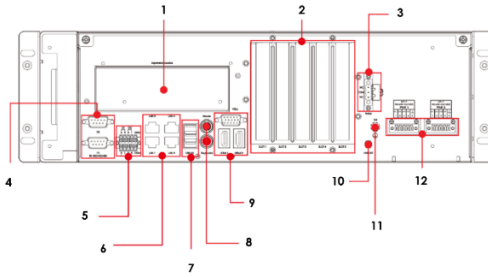
Hardware specifications

Front View of the Hardware:
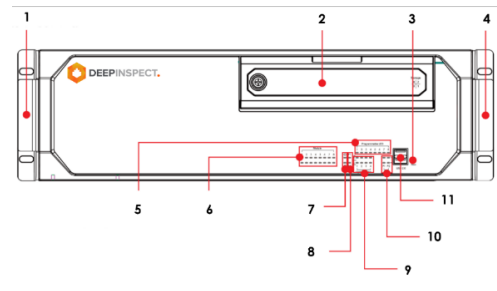
KEY	DESCRIPTION
1	Rackmount Ear
2	Storage Disk Tray
3	Reset Button
4	Rackmount Ear
5	LEDs x 8 (Programmable)
6	LEDs x 16 (Module)
7	LEDs x 2 (Power, Storage)
8	LEDs x 2 (Power Failure)
9	LEDs x 8 (LAN)
10	LEDs x 4 (TX/RX)
11	USB Hosts x 2 (2.0, Type A)

Rear View of the Hardware:

KEY	DESCRIPTION
1	Expansion Module Slot
2	Expansion Slots
3	Relay Output
4	Serial Ports x 2 (RS-232/422/485, DB9)
5	DIs x 6/DOs x 2 (terminal block)
6	LAN Ports x 4 (100/ 1000 Mbps, RJ45)
7	USB Hosts x 3 (3.0, type A)
8	Keyboard/ Mouse Inputs
9	VGA x 1/ HDMI x 2
10	Power Button
11	Grounding Connector
12	Power Inputs x 2 (100 to 240 VAC/VDC terminal block)

LED:

There are 40 LED indicators on the front panel. The following schema will illustrate what these LEDs represent:
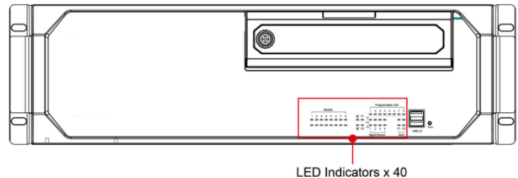
LED Indicators x 40

Information about each LED indicator is given in the following table:

LED	COLOUR	DESCRIPTION
Power	Green	Power is on
	Off	No power input
Storage	Yellow/Blinking	Data is being written to or read from the storage unit
	Off	Storage unit is idle
P1	Off	The 1st power supply is on
	Red	Error in 1st power supply
P2	Off	The 2nd power supply is on
	Red	Error in the 2nd power supply
Gigabit LAN LEDs 1 to 4	Green	100 Mbps Ethernet mode
	Orange	1000 Mbps (Gigabit) Ethernet mode
Serial Port P1/P2	Green	Tx: serial data is being transmitted
	Yellow	Rx: serial data is being received
Programmable LEDs 1 to 8	Green/ Blinking	Can be used to indicate statuses for debugging, as defined by users
Module LEDs 1 to 8	Green/ Orange/ Blinking	Reserved LAN-port and serial- port expansion cards

CONFIGURATION

For the first configuration is necessary to access through ssh the console of the device. This can be done with any ssh tool on your personal laptop through an ethernet connection to port 1 on the device. In order to access the device, it is essential to manually set on your computer the default network parameters as follow:

- IP address: 192.168.0.15
- Subnet mask: 255.255.255.0
- Gateway: 192.168.0.1

Once connected to the device, log in using the default credentials:

- Username: admin
- Password: netwitness

Change the default password

If it is the first access to the device, is highly recommended to change the password. To do so, follow the instructions below:

1. Get root privilege using the default password and the '*su*' command
2. Execute the command '*change_password*'

```
root@probe-TBCLE       :~# change_password

Please insert a password compliant with the following requirements

Password requirements:
- At least 8 characters
- At least one uppercase letter
- At least one number
- At least one special character

Enter new password: █
```

3. Enter a password compliant with the password requirement stated and confirm it afterwards

Change network

To change the default network parameters, it is necessary to do it through the utility '*change_network*':

1. Get root privilege using the default password and the '*su*' command
2. Execute the command '*change_network*'

```
root@probe-TBCLE        ~# change_network
Configuring the network for the management port (LAN 1)

Current network configuration:
IP Address: 192.168.0.11/24
Default Gateway: 192.168.0.1

*----------------------------*

Enter the new IP address with subnet mask (e.g. <ipaddress>/24): 192.168.0.11/24
Enter the new default gateway: 192.168.0.1
```

3. From here it is necessary to insert the network parameters desired
4. Then, restart the network interface when asked by the prompt

```
root@probe-TBCLE        ~# change_network
Configuring the network for the management port (LAN 1)

Current network configuration:
IP Address: 192.168.0.11/24
Default Gateway: 192.168.0.1

*----------------------------*

Enter the new IP address with subnet mask (e.g. <ipaddress>/24): 192.168.0.11/24
Enter the new default gateway: 192.168.0.1

*----------------------------*

New IP Address: 192.168.0.11
New Subnet Mask: 24
New Default Gateway: 192.168.0.1
Do you want to restart the network interface and apply the changes? (y/n): y
The changes will be applied during the next network interface restart.
Configuration completed.
```

At this point the ssh connection will be interrupted and it will be necessary to change the network parameters also on the laptop ethernet settings.