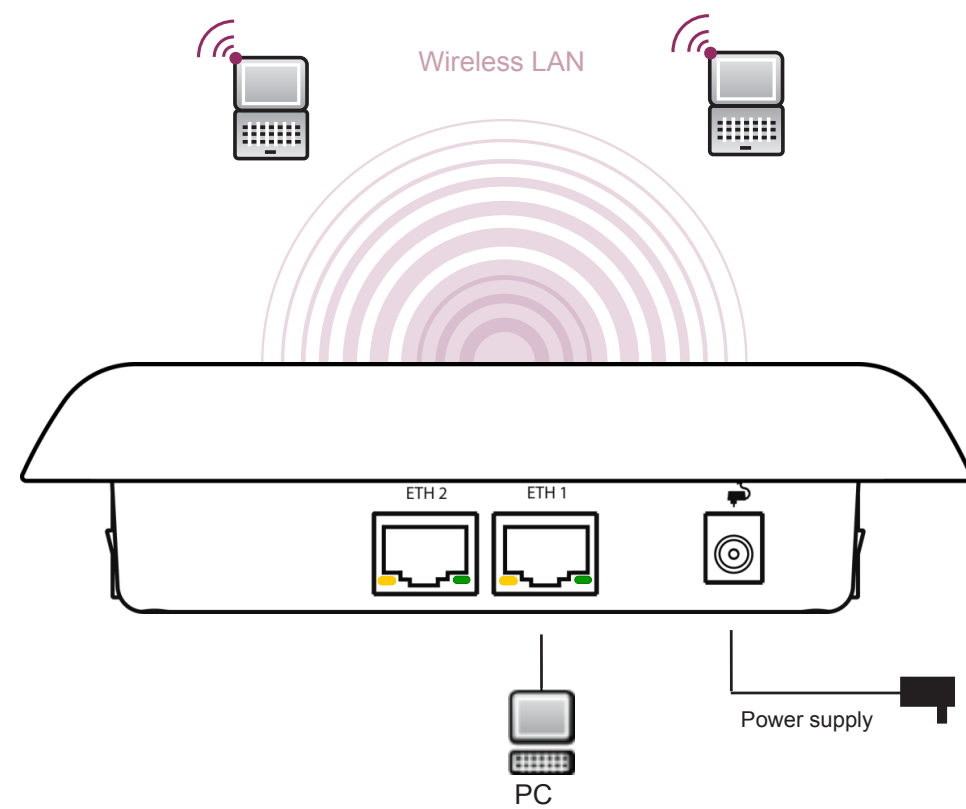


Installation bintec WLAN and Industrial WLAN

Connection option



Scope of supply

- all products:
- 1 x bintec W1001n, W1003n, W2003ac, W2003ac-ext or W11003n
 - 1 x Ethernet cable (RJ-45, STP)
 - 1 x Self-adhesive feet (possibly mounted)
 - 1 x Wall or ceiling mounting (not for W1001n)
 - 1 x Installation poster
 - 1 x Safety Notices



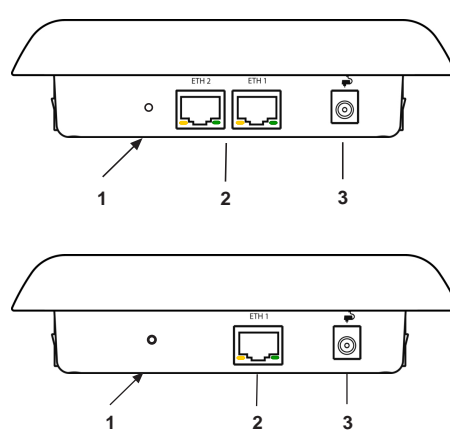
- bintec W2003ac-ext
- 4 x external standard RSMA antennas

- bintec W1003n
- 2 x external standard RSMA antennas

Antennas

bintec W2003ac-ext and W11003n use external antennas supplied with the device. Screw the standard antennas supplied on to the connectors provided for this purpose. **bintec W1001n, W1003n and W2003ac** have integrated antennas whose dispersion patterns are optimised for ceiling mounting.

Connections



- 1 Reset button (accessible from the base plate of the device)
- 2 10/100/1000 Base-T Ethernet interfaces
- 3 Socket for power supply

In bintec W1001n and W1003n only ETH1 is available.

Power over Ethernet is supported by ETH1.

Any present SIM card slot is deactivated.

Safety notices

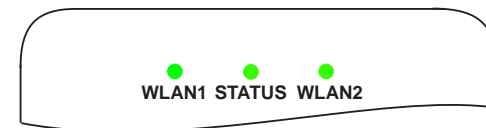
Please read the safety notices carefully before installing and starting up your device. These are supplied with the device.

Preparations

- To prepare for configuration, you need to...
- obtain the data required for the basic configuration
 - check whether the PC from which you want to perform the configuration meets the necessary requirements

LEDs

bintec W1003n, W2003ac, W2003ac-ext and W11003n



LED	Colour	Status	Information
STATUS	green	off	The power supply is not connected. If other LEDs are on, also Error.
		on (static)	Error
		flashing	Ready
WLAN 1/2	green	off	Radio or all assigned VSS inactive.
		slowly flashing	VSS is active, no client connected.
		fast flashing	VSS is active, at least one client connected.
		flickering	VSS is active, at least one client connected, active data traffic.
ETH 1/2	green	on	The device is connected to the Ethernet at 1 Gbps.
		flashing	Data traffic with 1 Gbps.
	orange	on	The device is connected to the Ethernet at 100 mbps.
		flashing	Data traffic with 100 mbps.
	green and orange	on	The device is connected to the Ethernet at 10 mbps.
		flashing	Data traffic with 10 mbps.

You can choose from three different operation modes of the LEDs in the **Global Settings** menu as well as with the **WLAN Controller**.

If you change the LED behaviour through the **GUI** or the **WLAN Controller**, this setting is preserved if you reset the device to the ex-works state.

Status	All LEDs show their standard behaviour.
Flashing	Only the status LED flashes once per second.
Off	All LEDs are deactivated.

bintec W1001n



LED	Colour	Status	Information
LAN			No function
PWR	green	off	The power supply is not connected. If other LEDs are on, also Error.
		on (static)	Error
		flashing	Ready
W	green	off	Radio or all assigned VSS inactive.
		slowly flashing	VSS is active, no client connected.
		fast flashing	VSS is active, at least one client connected.
		flickering	VSS is active, at least one client connected, active data traffic.
ETH 1	green	on	The device is connected to the Ethernet at 1 Gbps.
		flashing	Data traffic with 1 Gbps.
	orange	on	The device is connected to the Ethernet at 100 mbps.
		flashing	Data traffic with 100 mbps.
	green and orange	on	The device is connected to the Ethernet at 10 mbps.
		flashing	Data traffic with 10 mbps.

Installation

LAN: For the standard configuration of your device via Ethernet, connect a switch port (ETH1 or ETH2) of your device to your LAN using the Ethernet cable supplied. The device automatically detects whether it is connected to a switch or directly to a PC.

PC: Use an Ethernet cable to connect a suitable PC to one of the Ethernet interfaces. Should you have any problem with the connection between the PC and the router, please read the relevant chapter in the User's Guide.

Power supply

The devices are supplied without a mains unit.

The use of the wrong mains equipment may damage your device!

Ensure you only use the mains adaptor you can order as an accessory from your retailer.

If you require foreign adaptors/mains units, please contact our Service team.

A power adapter with EU plug (part number 5500001254) is available as an accessory. Connect the device to a mains socket. Use the power cord and insert it in the appropriate socket on your device. Now plug the mains unit into a power socket (100–240 V). The status LED signals that your device is correctly connected to the power supply. Optionally, power can be supplied through a standard PoE injector (part number 5530000082).

Installation

Table-top device: Affix the rubber feet supplied to the marked areas on the underside of the device.

Wall / Ceiling mounting: The devices can either be wall- or ceiling-mounted. Use the bracket supplied with your device (part number 5500001278). **bintec W1001n** can be wall mounted with hangers at the back of the device. An accessory for optional ceiling mounting is available. The devices can be protected against theft using a Kensington lock.

For information on the installation refer to the manual available as a download from our website.

Update

Software and Configuration Options	
Action	Update system software
Source Location	Current Software from Update Server

The device is supplied with the latest system software version at the time of production. The system software is continually being developed in order to increase the security and range of functions of the device.

You need to have a functioning Internet connection in order to be able to update the system.

You can perform a software update in the **Maintenance** → **Software & Configuration** → **Software and Configuration Options** menu. Select Update System Software under **Action**. Then select Current software from update server under **Source**. Click **START** to start the update process. Once the new system software is installed, you must then restart the system. If an error occurs during the update process, do not restart the device and contact bintec elmeg's Customer Service team.

Assistants

You will find configuration help on basic issues under the **Assistants** menu item. Run the assistant on the subject of **First Steps**.

Here, you can configure all of the settings required for integrating your device into the local network.

In order to use your device as an access point, run the **Assistant** in the **Wireless LAN** menu.

Save the configuration by clicking on the **Save Configuration** button above the menu tree.

Assistants	
First steps	Enabled
Internet	Enabled
WLAN	Enabled
WLAN (WLC)	Enabled
Telephony	Enabled
VPN	Enabled

Reset



Information on the reset behaviour of the individual devices can be found in the User's Guide available as a download from our website.

Information on installation, the web interface and configuration can be found as a download from our website.

If your device has obtained an IP address dynamically from a DHCP server operated in your network for the basic configuration, the fallback IP address 192.168.0.252 is deleted automatically and your device will no longer function over this address. However, if you have set up a connection to the device over the fallback IP address 192.168.0.252 you will only be able to access your device over this IP address. The device will no longer obtain an IP configuration dynamically over DHCP.

Basic configuration

In ex works state, your device is set to DHCP client mode, which means that when it is connected to the network, it is automatically assigned an IP address if a DHCP server is run. You can then access your device for configuration purposes using the IP address assigned by the DHCP server. For information on determining the dynamically assigned IP address, please see your DHCP server documentation.

Single configuration:

- 1 Enter the IP address 192.168.0.252 in the address line of your browser.
- 2 Use the following information for your login:
User: admin
Password: admin
- 3 Click on **LOGIN** in order to get to the configuration interface.

All devices are shipped with the same user names and passwords. As a result, they are not protected against unauthorised access. Make sure you change the password to prevent unauthorised access to your device. Go to **System Management** → **Global Settings** → **Passwords**. Enter a new password for **System Administrator Password**. Click **OK**. Save the configuration by clicking on the **Save Configuration** button in the header.

Configuration through provisioning services:

1. The **Wireless LAN controller** offers a Wizard which assists you in the configuration of your access points. Please refer to your gateway's data sheet to for information on the number of Access Points that you can manage with your gateway's wireless LAN controller as well as about the licensing details.

Basic Settings	
Region	Germany
Interface	BRIDGE_BR0
DHCP Server	DHCP Server with enabled CAPWAP option (138): <input checked="" type="radio"/> External or static <input type="radio"/> Internal
⚠ Caution: Make sure that the DHCP-Server is up and running and all managed Access Points are connected to the network.	

2. The **Cloud NetManager** enables you to manage large and distributed installations. A valid license is required for each access point to be managed. If you have previously supplied configurations to your devices using the **Wireless LAN Controller**, you must reset your devices to the ex-works state status before using the **Cloud NetManager**. The current boot configuration will be deleted. If you intend to use the **Cloud NetManager**, you must disable the **Wireless LAN Controller** in advance. Otherwise, the controller will take precedence! The simultaneous operation of the **Cloud Net Manager** and **Wireless LAN Controller** is currently not intended. You can enable the option Communication with the NetManager in the menu **System Administration** → **Global Settings** → **System**. The address of the bintec elmeg **Cloud NetManager** is preset in the NetManager IP address field.

NetManager communication	Enabled
NetManager address	https://discover.networkcloudmanager.com
LED mode	Status
Manual WLAN Controller IP Address	
Show Manufacturer Names	Enabled

Step-by-step instructions for common configurations can be found in the **Workshop manual** which can be downloaded from the Solutions section of www.bintec-elmeg.com.

Info



Please read the user guide before connecting the device or starting it up!

If you have any questions about your new product, please contact a local, certified retailer for prompt technical support. Resellers have been trained by us and receive privileged support. Further information on our support and service offers can be found on our web site at www.bintec-elmeg.com.