



## Zeus Link Wi-Fi 3G

Wireless AP Bridge/Client/Router complete with 3G dongle for internet access.



Product number: TP-016-100

### Caratteristiche Generali

Zeus Din Wi-Fi 3G Kit consists of the following parts:

Description	Product number
Zeus Link Wi-Fi	TP-016-001
3G Dongle	TP-016-002

# Zeus Link Wi-Fi

## Wireless AP Bridge/Client/Router



- 230 Vac Power supply
- Small footprint: 1 DIN module only
- Fast Ethernet Interface
- USB 2.0 Mass storage interface to connect external 3G modem
- Firmware upgradable via Ethernet interface
- Web configuration interface
- Standard wireless IEEE 802.11b/g/n up to 150 Mbps
- Built-in Omnidirectional antenna

Product number: TP-016-001

### General features

**Zeus Link** device allows you to extend the connection of any device with an Ethernet interface or any network to Ethernet standards. It is configurable as a **Wireless Client**, to integrate into an existing wireless network, or you can configure it as an **Access Point**, in order to create a wi-fi network which allows connection to the device / network to which Zeus Link is connected.

Using 3G kit, also, you can use an external 3G dongle connected to the USB interface, to provide Internet connectivity to the device / network to which it is connected. In the latter case, Zeus Link will have the functionality of a **router for Internet access**.

The **built-in Web Server** allows an **easy device configuration** according to your needs, it's complemented by appropriate commands for an easy troubleshooting of network problems and for performance measurements. **The extremely compact size** (1 DIN unit included power supply) and the small footprint allow an **easy installation** on all electrical panels where normally exist space problems. The **built-in antenna** allows to have not problems on the front of the device.

The product is sold accompanied by a patch cable from 10 cm to standard RJ-45, to allow an easy connection of the device to a network device directly in the electrical panel and in order to ensure a footprint adequate to permit the closing of the door.

### *Applications*

- To create a "wireless bridge" to connect a device or a local area network to another network wirelessly. In this case Zeus Link is configured as **Client AP**;
- To realize an Wi-Fi area to give network/device access in a given area. In this case Zeus Link is configured as an **Access Point**;
- To ensure one device or one local area network an internet access. In this case Zeus Link works in **router mode** (needs a 3G dongle modem), and the wireless interface will be configured as an access point.

### *Advanced features*

If the device is working in router mode of internet access via 3G connection, it must be provided using an external 3G dongle compatible modem and a subscription with a data service provider.

## Specifications

### WLAN Interface

Standards	IEEE 802.11b/g/n for Wireless LAN IEEE 802.11i for Wireless Security IEEE 802.3 for 10BaseT IEEE 802.3u for 100BaseTX
Operating Channels (central frequency):	US: 2.412 to 2.462 GHz (11 channels) EU: 2.412 to 2.472 GHz (13 channels) JP: 2.412 to 2.472 GHz (13 channels, OFDM) 2.412 to 2.484 GHz (14 channels, DSSS)
Modulation Type	OFDM/CCK/16-QAM/64-QAM
Bandwith Channel	20 Mhz/40 Mhz channel width
Trasmission Rate	802.11b: 1, 2, 5.5, 11 Mbps 802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps 802.11n:150/135/120/90/60/54/45/30/15 Mbps 72/65/57.8/43.3/28.9/21.7/14.4/7.2Mbps
TX Trasmit Power	802.11b CCK: +20 dBm 802.11g OFDM: +16 dBm 802.11n HT40 MCS7 : +14 dBm
RX Sensitivity	802.11b: -90dBm at 11Mpbs 802.11g: -78dBm at 54Mpbs 802.11n: -70dBm at HT40 MCS7

### Protocol Support

Security	SSID broadcast enable/disable • Firewall for MAC/IP/Protocol/Port-based filtering • 64-bit and 128-bit WEP encryption, WPA /WPA2-Personal and Enterprise (TKIP and AES)
General Protocols	DNS, HTTP, HTTPS, IP, ICMP, NTP, TCP, UDP, PPPoE, DHCP

### Servicies

Routing	Static
Firewall	Zones definition, Forward rules, NAT, Port Forwarding and Mac Address filtering
Advanced	Dynamic DNS

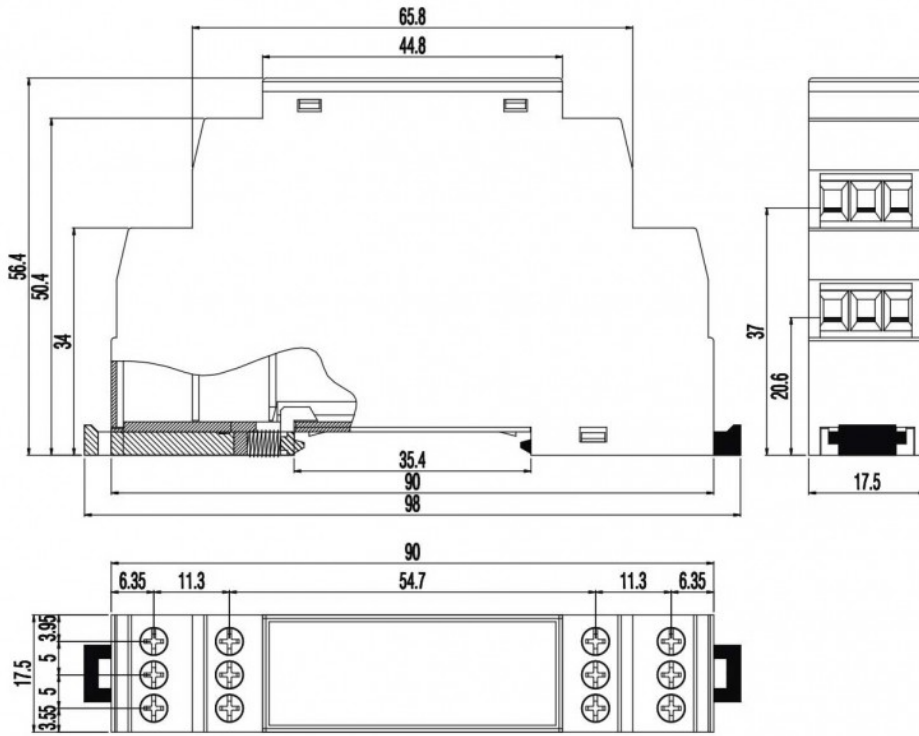
### Interfaces

Default Antenna	Built-in omni-directional antenna, 2 dBi
RJ45 Port	1, 10/100BaseT(X) auto negotiation speed and F/H duplex mode
USB Port	1, Ver. 2.0 to connect external 3G dongle modem

LED Indicator	PWR, System activity and WLAN connection
Button	Reset and restore factory default button
<b>Power supply</b>	
Terminals	Screw terminals for conductors: 0.05 mm <sup>2</sup> (30AWG) ÷ 2.5 mm <sup>2</sup> (14 AWG)
Range Input Voltage	100 ÷ 250 Vac
Power Consumption	< 1,6 W with active ethernet and wireless interfaces
Operating Frequency	50 ÷ 60 Hz
<b>Housing</b>	
Dimensions	17,5x90x56,4 mm (1 DIN module)
Weight	59g
Fastening	DIN rail
Material	PA
Flame protection	PA - UL 94 V0
<b>Environmental Condition</b>	
Operating Temperature	-10°C ÷ +50°C
Storage Temperature	-20°C ÷ +75°C
Humidity	80% max without condensation
<b>Grade protection</b>	
Housing	IP30
Terminal	IP20
<b>Patch cord RJ45 - RJ45</b>	
Standard	Ethernet / Fast Ethernet
Terminal	RJ-45 male
Length	10 cm
<b>Compliance</b>	
Security	EN 61010-1
EMC	EN 301 489-1, EN 301 489-17 e EN61326-1
Radio	EN 300 328



**Technical Drawings**



# 3G Dongle

## USB dongle for 3G internet connection



Product number: **TP-016-002**

### General features

**3G Dongle** is a **small USB modem** that through the use of a SIM card allows you to connect to the mobile data network **to obtain internet access** and make use of the related services offered by the provider with which you sign the contract.

This dongle allows you **to add 3G functionality to Zeus Link Wi-Fi**. It's provided with 25 cm patch USB 2.0 standard cable with connectors Type A Male to 90° - Female 0° to allow an easy installation of the 3G dongle on the USB port of Zeus Link Wi-Fi device, in order to ensure a footprint such as to allow the closure of the electrical panel door hosting the devices.

### Applications

- Provide internet access to laptops.
- Provide internet access to personal computer.
- Provide internet access to local area network, via enabled router (eg. Zeus Link Wi-Fi)

## Specifications

### Radio parameters

Network Services	GSM/UMTS
GSM/GPRS/EDGE frequency	850/900/1800/1900 MHz
UMTS/HSDPA frequency	2100MHz

### Performance

Max Download	7.2 Mbps
Max. Upload	2 Mbps

### Interfaces

USB	Ver. 2.0 High Speed
UMTS/GSM Antenna	High performance internal antenna
SIM/USIM Card	standard 6 PIN SIM card interface
Memory (up to 8GB)	Slot microSD
Optical	1 LED

### Driver

Supported OS	Windows 2000 / XP / Vista 7 / 8 32 Bit o 64 Bit MacOS e LINUX
Software and Driver	Built-in Plug and Play, No CD Required
Software language	English

### Enviromental Condition

Operating Temperature	0°C - +50°C
Storage Temperature	-40°C - +70°C
Humidity	80% max without condensation

### Housing

Dimensions	89 x 28 x 8 mm (L x W x H)
Weight	Circa 30g
Material	ABS

### USB patch cable

Standard	USB 2.0 High Speed
Terminal	USB Type A male 90° USB Type A female 0°
Lenght	25 cm

### Compliance

Standard	CE
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## Technical Drawings

