

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
- Integrated web server
- Standard wireless IEEE 802.11b/g/n up to 150 Mbps
- Omnidirectional integrated 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 integrated Web Interface 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 integrated 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	Integrated 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
Power supply	
Terminals	Screw terminals for conductors: 0.05 mm ² (30AWG) ÷ 2.5 mm ² (14 AWG)
Range Input Voltage	100 ÷ 250 Vac
Power Consumption	< 1,6 W with active ethernet and wireless interfaces
Operating Frequency	50 ÷ 60 Hz
Housing	
Dimensions	17,5x90x56,4 mm (1 DIN module)
Weight	59g
Fastening	DIN rail
Material	PA
Flame protection	PA - UL 94 V0
Environmental Condition	
Operating Temperature	-10°C ÷ +50°C
Storage Temperature	-20°C ÷ +75°C
Humidity	80% max without condensation
Grade protection	
Housing	IP30
Terminal	IP20
Patch cord RJ45 - RJ45	
Standard	Ethernet / Fast Ethernet
Terminal	RJ-45 male
Lenght	10 cm
Compliance	
Security	EN 61010-1
EMC	EN 301 489-1, EN 301 489-17 e EN61326-1
Radio	EN 300 328



Technical Drawings

