Ready- to- use WiFi AP, Ethernet Bridge, repeater & MESH point embedded module for OEMs

ACKSYS has just introduced its new WLn-LINK-OEM which completes its already wide range of wireless solutions.

The WLn-LINK-OEM embedded module is a 2.4 / 5 / 5.4 GHz IEEE 802.11n a/b/g (MIMO) solution designed to quickly and easily add wireless LAN to a wide range of wired Ethernet products with up to 300Mbps radio bit rate.

More than just a radio adapter, the WLn-LINK-OEM features a fully integrated IEEE 802.11n a/b/g radio and a powerful PowerPC processor that provides a complete wireless connection in a single small footprint (L:103xW:57xH:20mm).

The module offers Access Point, Ethernet Bridge, Repeater, MESH point modes and support for industrial protocols like MODBUS/TCP, Ethernet/IP & PROFINET.

The link is made safe using WEP, WPA-PSK, WPA2-PSK, IEEE 802.1X /RADIUS protected access, MAC addresses filtering, SSID broadcast control; transmit power is 20 dB or 26 dB (optional).

Its size is extremely compact in order to be integrated in any equipment equipped with a RJ45 or TTL Ethernet 10/100/1000 Base TX port, consequently opening to equipment access to the wireless world.
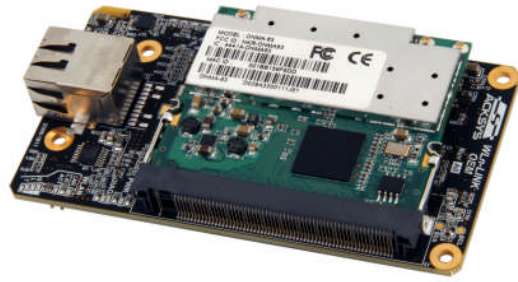
It can be powered from the DC power source (+5VDC) for a typical 8W typical consumption.

Ethernet and power supply signals are available on HE10 header connectors. LEDs indicate both LAN and WLAN network activity as well radio Link quality.

Thanks to its built-in WEB interface and SNMP administration, the setup of the device is achieved using the web browser installed on your computer (Windows, Linux …).

The WLn-LINK-OEM reduces the design time and eliminates the risk associated in wireless chipset based designs by providing all of the WiFi network protocols and processing needed to quickly implement embedded wireless solutions. Its industrial- grade performance makes it ideally suited for harsh environments. Standard operating temperature is -20° to °70°C or -40°C to °75°C (optional).

Integrators and manufacturers (rugged computers / instruments, wireless devices, remotely operated vehicles UAV /UGV / UUV, automotive, COTS-based data communication units for military applications) can right now rely on this new technology to build safety wireless network applications while freeing themselves from wiring constraints.