



Long Range Ceiling Mount Access Point

Enterprise class 2 x 2 802.11n single-radio brings 300Mbps connection speed on your WLAN for diversity of applications

EAP300v2 equips with an advanced RF interface coupled with 802.11n technologies, offering data transmission rate up to 300Mbps at 2.4GHz band.

Enhanced Signal Strength and Receive Sensitivity to Further Extend WLAN Coverage

For wider and penetrating wireless coverage, the radio of EAP300v2 has been enhanced to provide higher signal strength and receive sensitivity; this will assist to reduce dead spots in your deployed WLAN and boost received signal quality on both ends of AP and wireless client devices.

802.3af-compliant Power-over-Ethernet (PoE) for Second Power Sourcing Alternative

EAP300v2 can be powered by enclosed power adapter or off-the-shelf 802.3af-compliant PoE switches, solving common power sourcing issue in the field where devices are usually placed at drop-ceiling or mounted on walls.

Multiple Operation Modes for Versatile Applications

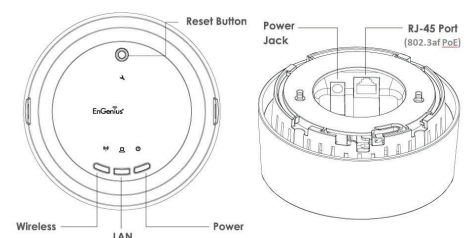
EAP300v2 can operate in 3 different modes, namely Access Point, WDS, or Repeater, facilitating different deployment requirements.

Configuration and Management with Ease

Besides intuitive web-based management, EnGenius EZ Controller software utility provides user extra convenience on applying various configuration settings into devices, enabling prompt WLAN deployment and configuration update.

Key Features

- + IEEE 802.11 b/g/n compliant
- + Up to 300Mbps (2.4GHz) wireless data transmission rate
- + Fast Ethernet port with IEEE 802.3 af standard PoE support
- + Ceiling mount housing and internal antennas for low-profile design
- + Web-based and EZ controller software for easy configuration
- + AP/WDS/Repeater mode support
- + SNMP V1/ V2c/V3, MIB I/II supported
- + WEP/WPA/WPA2 wireless encryption
- + IPv4/IPv6 supported



Radio specifications

- Single Radio
- 2.4GHz: 802.11b/g/n with max data rate up to 300Mbps
- Transmit Power (combined):
- 2.4GHz: max 29dBm
- Maximum transmit power is limited by regulatory power
- Radio Chains / Spatial Streams
- 2 x 2 / 2
- Supported Radio Technology:
- 802.11b: direct-sequence spread-spectrum (DSSS)
- 802.11g/n: orthogonal frequency-division multiplexing (OFDM)
- Channelization
- 802.11n with 20/40 MHz channel width
- 802.11b/g with 20 MHz channel width
- Supported Modulation:
- 802.11b: BPSK, QPSK, CCK
- 802.11g/n: BPSK, QPSK, 16-QAM, 64-QAM
- Supported data rates (Mbps):
- 802.11b: 1, 2, 5.5, 11
- 802.11g: 6, 9, 12, 18, 24, 36, 48, 54
- 802.11n: 6.5 to 300 (MCS0 to MCS15)

Wireless

- Operating Mode
- AP / WDS/ Repeater
- Auto Channel Selection
- Setting varies by regulatory domains
- SSIDs:
- Supports up to 8 SSIDs/VLAN pass-through
- VLAN Tag
- Wireless Client List
- QoS
- Supports 802.11e/WMM
- Security
- WEP encryption: 64/128-bit
- WPA/WPA2 Enterprise/PSK
- Hidden SSID
- MAC address filtering (up to 32 MAC)
- Station separation

Physical Characteristics

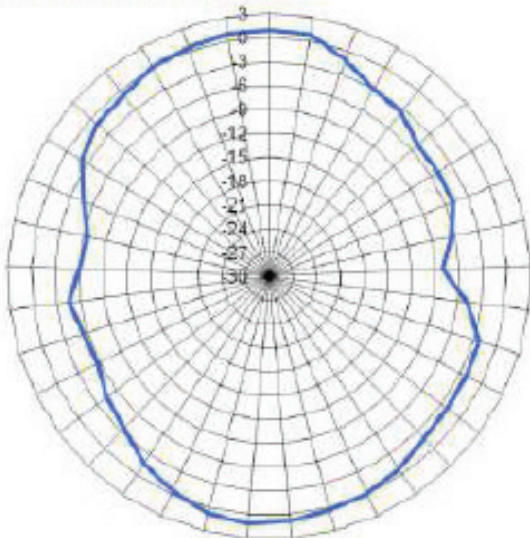
- Power Source:
 - DC Input: 12 VDC 1A
 - PoE: compatible with 802.3af
- Internal High Gain Antennas
 - 2 x 5dBi 2.4GHz antennas
- Interface
 - 1 x 10/100 BASE-T Ethernet (RJ45) with 802.3af PoE
 - 1 x DC power connector
 - 1 x reset button
- Dimensions / Weight
 - 125.63 x 63.58mm (Diameter x Height)
 - 224g
- Environment
 - Operating temperature: 0°C~50°C
 - Operating humidity: 0% ~ 90% typical
 - Storage temperature: -20°C~60°C
- Mounting
 - Ceiling mount or wall mount

Management

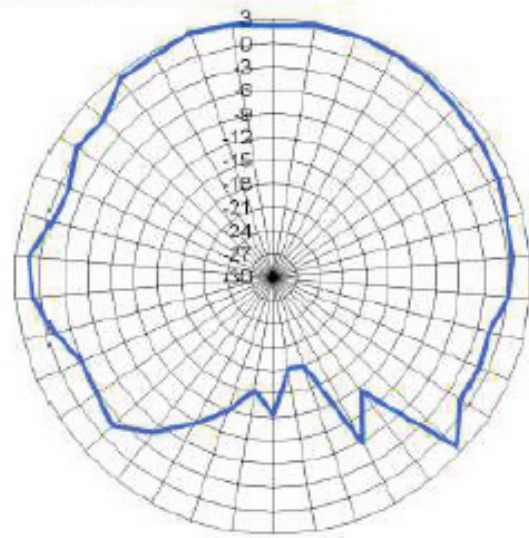
- Configuration
 - Web interface (HTTP)
 - SNMP v1/v2c/v3 with MIB I/II and private MIB
 - CLI (Telnet)
- Firmware Upgrade
 - Web interface or CLI (FTP/HTTP)
- Backup / Restore Settings
 - Revert to factory default settings
- Syslog Notification
 - Provides a network monitoring tool for administrators to stay informed upon configuration change or network errors

Antenna Radiation Patterns (Internal Antenna)

2.4GHz Azimuth-Plane



2.4GHz Elevation-Plane



Maximum data rates are based on IEEE 802.11 standards. Actual throughput and range can vary depending on many factors including environmental conditions, distance between devices, radio interference in the operating environment, and mix of devices in the network. Features and specifications are subject to change without notice. Trademarks and registered trademarks are the property of their respective owners.