



WEP-3ax

Wi-Fi Access Points

- Dual band access point with support for 802.11ax
- Support for MU-MIMO 2x2
- PoE+ power supply (IEEE 802.3at)
- Seamless roaming
- Up-to-date authentication and encryption means

Solution for Enterprises

WEP-3ax is a new Wi-Fi 6 generation access point that will provide maximum bandwidth and stable wireless connection for all connected devices.

With high speed, low latency, energy efficiency, increased bandwidth and extended range, the new 802.11ax access points support a wide range of devices and applications that require maximum performance in demanding corporate environments. Compared to the access points of the previous Wi-Fi standards, the new access points will be able to provide many additional services.

WEP-3ax is a universal solution for organization of wireless networks in highly crowded areas and high traffic environments (offices, state institutions, conference halls, laboratories, hotels etc.).

Wireless Connection

Due to support for IEEE 802.11ax standard, the WEP-3ax access point provides 574 Mbps (2.4 GHz) + 1201 Mbps (5 GHz) data rates.

The use of MIMO technology and embedded omnidirectional antennas makes WEP-3ax a universal solution for corporate networks construction.

Security

For the corporate environment, modern WPA3 authentication and encryption technologies are supported, which provides personal data protection and environment security. The new generation access points meet the highest security and compatibility requirements for earlier versions of the 802.11 standard.

Performance

To ensure a stable and uninterrupted operation, the device is equipped with high-performance chipsets providing high data processing rate.

Power Supply

The PoE+ technology makes installation of the equipment possible virtually everywhere, regardless of the power supply location. The use of PoE+ technology reduces total cost by discarding power cables and makes installation easier and faster.

Interfaces

- 1 port of Ethernet 100/1000/2500BASE-T (RJ-45)
- Wi-Fi 2.4 GHz IEEE 802.11b/g/n/ax
- Wi-Fi 5 GHz IEEE 802.11a/n/ac/ax

WLAN Capabilities

- Support for IEEE 802.11a/b/g/n/ac/ax
- Support for roaming IEEE 802.11r/k/v
- Data aggregation, including A-MPDU (Tx/Rx) and A-MSDU (Rx)
- WMM-based packet priorities and planning
- Dynamic frequency selection (DFS)
- Support for hidden SSID
- 32 virtual access points
- Detection of access points from other vendors
- Spectrum analyzer
- Channel autoselection

QoS Functions

- Bandwidth limiting for each SSID
- Client data rate limiting for each SSID
- Support for prioritization by CoS and DSCP

Security

- Centralized authentication via RADIUS server (WPA Enterprise)
- WPA/WPA2/WPA3 encryption
- Support for Captive Portal

Wireless Interface Parameters

- Frequency range: 2402-2482 MHz, 5170-5835 MHz
- DSSS, CCK, BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM
- Built-in omnidirectional antennas
- Support for MU-MIMO 2x2
- Support for OFDMA
 - Bandwidth: 20, 40 MHz for 2.4 GHz; 20, 40, 80 MHz for 5 GHz

Data rate

- 2.4 GHz, 802.11ax: up to 574 Mbps
- 5 GHz, 802.11ax: up to 1201 Mbps

Receiver sensitivity

- 2.4 GHz: up to -92 dBm
- 5 GHz: up to -93 dBm

Maximum power of the transmitter

- 2.4 GHz: up to 22.5 dBm
- 5 GHz: up to 24 dBm

Physical Specifications

- Maximum power consumption — 13 W
- 256 MB NAND Flash
- 1 GB RAM DDR4
- Power supply: PoE+ 48V/56V (IEEE 802.3at-2009)
- Operating temperature from +5 0C to +40 0C
- Dimensions (Diameter x Height): 230x56 mm