

# AX3000Mbps Wireless WiFi Repeater

## 802.11ax/ac/b/g/n

**Model: EP-AX3000**



### KEY FEATURES

- 3000M Wireless Extended Range
- External Omni Directional antenna.
- Provides one LAN port
- Universally complies with IEEE 802.11ax, IEEE 802.11ac, IEEE 802.11n, IEEE 802.11g and IEEE 802.11b standards.
- Dual band frequency 2.4GHz 573.5Mbps 5GHz 2400Mbps
- Easy Setup Assistant provides quick & hassle free installation.
- User interface supports free WEB software updates.
- Supports remote/local Web management and web upgrade

## Specifications

|                          |                                                                           |
|--------------------------|---------------------------------------------------------------------------|
| Chipset                  | MT7981BA +MT7976CN                                                        |
| Interface                | 1* 10/100/1000Mbps LAN                                                    |
| Wireless Speed           | 2.4GHz 573.5Mbps, 5GHz 2400Mbps                                           |
| Frequency Range          | 2.4G & 5.8G                                                               |
| Wireless Transmit Power  | 20dBm(MAX EIRP)                                                           |
| Antenna                  | 4* 2dBi External Antennas ( Fixed )                                       |
| Work Mode                | Repeater / AP                                                             |
| Wireless Security        | 64/128 bits WEP, WPA/WPA2, WPA-PSK/WPA2-PSK (TKIP/AES) , WPA/WPA3         |
| Temperature Range        | Operating: 0°C to 40°C, Storage: -20°C to 70°C                            |
| Humidity                 | Operating: 5% to 95% (non-condensing), Storage: Max. 90% (non-condensing) |
| Support Operating System | Windows XP/Vista/ Win 7/Win 8 /Win8.1 /Win10 /Mac OS/Linux                |
| Dimensions (H x W x D)   | (US plug) 83 x 120 x 65 mm                                                |

## RF Performance Table for 2.4GHz and 5.8GHz

|                              | Data Rate | TX Power | Tolerance |
|------------------------------|-----------|----------|-----------|
| 2.4GHz<br>802.11b            | 1Mbps     | 16dBm    | ±2dB      |
|                              | 11Mbps    | 16dBm    | ±2dB      |
| 2.4GHz<br>802.11g            | 6Mbps     | 15dBm    | ±2dB      |
|                              | 54Mbps    | 13dBm    | ±2dB      |
| 2.4GHz<br>802.11n<br>20MHz   | MCS0      | 14dBm    | ±2dB      |
|                              | MCS7      | 13dBm    | ±2dB      |
|                              | MCS8      | 13dBm    | ±2dB      |
| 2.4GHz<br>802.11n<br>40MHz   | MCS0      | 14dBm    | ±2dB      |
|                              | MCS9      | 13dBm    | ±2dB      |
| 5.8GHz<br>802.11ac<br>80MHz  | MCS0      | 16dBm    | ±1.5dB    |
|                              | MCS11     | 13dBm    | ±1.5dB    |
| 5.8GHz<br>802.11ax<br>80MHz  | MCS0      | 15dBm    | ±1.5dB    |
|                              | MCS11     | 13dBm    | ±1.5dB    |
| 5.8GHz<br>802.11ax<br>160MHz | MCS0      | 15dBm    | ±1.5dB    |
|                              | MCS11     | 13dBm    | ±1.5dB    |

|                              | Data Rate | RX Specifications Sensitivity | Tolerance |
|------------------------------|-----------|-------------------------------|-----------|
| 2.4GHz<br>802.11b            | 1Mbps     | -95dBm                        | ±2dB      |
|                              | 11Mbps    | -90dBm                        | ±2dB      |
| 2.4GHz<br>802.11g            | 6Mbps     | -92dBm                        | ±2dB      |
|                              | 54Mbps    | -72dBm                        | ±2dB      |
| 2.4GHz<br>802.11n<br>20MHz   | MCS0      | -92dBm                        | ±2dB      |
|                              | MCS7      | -72dBm                        | ±2dB      |
|                              | MCS8      | -70dBm                        | ±2dB      |
| 2.4GHz<br>802.11n<br>40MHz   | MCS0      | -89dBm                        | ±2dB      |
|                              | MCS7      | -65dBm                        | ±2dB      |
| 5.8GHz<br>11a                | 6Mbps     | -92dBm                        | ±2dB      |
|                              | 54Mbps    | -72dBm                        | ±2dB      |
| 5.8GHz<br>11ac<br>80MHz      | MSC0      | -87dBm                        | ±2dB      |
|                              | MCS9      | -62dBm                        | ±2dB      |
| 5.8GHz<br>11ax<br>80MHz      | MSC0      | -82dBm                        | ±2dB      |
|                              | MCS11     | -51dBm                        | ±2dB      |
| 5.8GHz<br>802.11ax<br>160MHz | MSC0      | -82dBm                        | ±2dB      |
|                              | MCS11     | -51dBm                        | ±2dB      |

## Dimensional Drawing

