zenitel

DATASHEET




2220012636

# Cisco 2802i - EMEA

Cisco 2802i Wireless Access Point for use in EMEA (E)

## Description

- 802.11ac Wave 2 Support, MU-MIMO 4x4, 3 spatial streams
- Provides a theoretical connection rate of up to 2.6 Gbps per radio. Supporting channels up to 160 MHz wide
- High Density Experience (HDX). Best-in-class RF architecture, which provides high-performance coverage for a high density of client devices, giving the end user a seamless wireless experience.
- Integrated antennas:
  - Flexible radio (either 2.4Ghz or 5Ghz):
    - 2.4 GHz, gain 4 dBi, internal antenna, omnidirectional in azimuth
    - 5 GHz, gain 6 dBi, internal directional antenna, elevation plane beamwidth 90°
  - Dedicated 5GHz radio:
    - 5 GHz, gain 5 dBi, internal antenna, omnidirectional in azimuth
- AIR-AP2802I-E-K9C: Mobility Express version (up to 100 AP without physical controller)



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- 2x RJ-45 100/1000 auto-detection port
- 802.3at PoE+

For large enterprise organizations that rely on Wi-Fi to engage with customers, the 2800 Series is a hands-off product that’s intelligent enough to make decisions based on end-device activities and usage. This automation allows you to devote time to other pressing matters, secure in the knowledge that your Wi-Fi network is performing to its utmost potential.



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# Specifications

| DESCRIPTION | |
|---|---|
| 802.11ac Wave 1 capabilities | 4x4 MIMO with three spatial streams; 20-, 40-, and 80-MHz channels; PHY data rates up to 1.3 Gbps (80 MHz in 5 GHz) |
| 802.11ac Wave 2 capabilities | 4x4 MIMO with three spatial streams; 20-, 40-, 80, 160-MHz channels; PHY data rates up to 5.2 Gbps |
| 802.11n capabilities | 4x4 MIMO with three spatial streams; 20- and 40-MHz channels; PHY data rates up to 450 Mbps (40 MHz with 5 GHz) |
| Interfaces | 2x 100/1000BASE-T autosensing (RJ-45); Management console port (RJ-45) |
| Indicators | Status LED indicates boot loader status, association status, operating status, boot loader warnings, boot loader errors |
| Dimensions (W x L x H) | 22 x 22 x 5.5 cm (Access point without mounting brackets) |
| Weight | 1.6 kg |
| Input power requirements | 802.3at PoE+, Cisco Universal PoE (Cisco UPOE®) or 802.3at power injector (AIR-PWRINJ6=) |
| Operating temperature | 0° to 40°C |
| Operating humidity | 10% to 90% (non condensing) |





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| ORDER INFORMATION | ACCESS POINT VERSION | DEFAULT LOADED SOFTWARE | SUPPORTED WLAN CONTROLL |
|---|---|---|---|
| 2220012636 | Cisco 2802i Wireless Access Point for use in EMEA (E) | Cisco Mobility Express Software | Cisco 2500 Series WLC, 3500 Series WLC, Wireless Controller Module for ISR G2, Wireless Services Module 2 (WiSM2) for Catalyst 6500 Series Switches, 5500 Series WLC, Flex 7500 Series WLC, 8500 Series WLC, 9800 series WLC, Virtual Wireless Controller, Catalyst 3850 Series Switches, Catalyst 3650 Series Switches, Mobility Express |
| 2220012658 | Cisco 2802i Wireless Access Point for use in USA (B) | Cisco Mobility Express Software | Cisco 2500 Series WLC, 3500 Series WLC, Wireless Controller Module for ISR G2, Wireless Services Module 2 (WiSM2) for Catalyst 6500 Series Switches, 5500 Series WLC, Flex 7500 Series WLC, 8500 Series WLC, 9800 series WLC, Virtual Wireless Controller, Catalyst 3850 Series Switches, Catalyst 3650 Series Switches, Mobility Express |
| 2220012659 | Cisco 2802i Wireless Access Point for use in Canada (A) | Cisco Mobility Express Software | Cisco 2500 Series WLC, 3500 Series WLC, Wireless Controller Module for ISR G2, Wireless Services Module 2 (WiSM2) for Catalyst 6500 Series Switches, 5500 Series WLC, Flex 7500 Series WLC, 8500 Series WLC, 9800 series WLC, Virtual Wireless Controller, Catalyst 3850 Series Switches, Catalyst 3650 Series Switches, Mobility Express |





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