



OAP300FC

N300 Wireless PoE Access Point

Wi-Fi 4 (802.11n), 2.4GHz, internal 5dBi antennas, 2x100Base-TX, 12V DC/802.3af PoE, ceiling/wall mounting



The OAP300FC is an indoor wireless N300 access point with PoE support.

The ORIGO OAP300FC access point provides stable Wi-Fi coverage with speed of up to 300Mbps and is recommended to build wireless networks in offices, educational institutions, medical centers, and hotels.

The OAP300FC supports centralized management via the OWC100 hardware controller, allowing an administrator to quickly configure and monitor up to 128 Wi-Fi access points simultaneously.

The access point is designed for ceiling or wall mounting and will perfectly fit into any interior. A mounting kit is included in the delivery package. Power can be supplied using a 12V DC¹ adapter or via PoE technology from a switch or injector that supports the 802.3af standard.

¹A power adapter is not included in the delivery package.



Key Features

- Centralized management via the OWC100 controller
- Wi-Fi speed is up to 300Mbps in the 2.4GHz band
- 100Mbps WAN port, 100Mbps LAN port
- 2 internal omnidirectional 5dBi antennas
- Electrostatic Discharge Protection is up to 8kV
- 802.3af PoE or 12V DC (power adapter not included in the delivery package)
- Ceiling/wall mounting

Specifications

Hardware

Processor	• MT7628 (575MHz)
Ports	• 1 10/100Base-TX WAN port with PoE support • 1 10/100Base-TX LAN port
Antennas	• 2 internal omnidirectional 5dBi antennas
MIMO	• 2x2
LEDs	• WAN • LAN • Wi-Fi
Buttons	• Reset
Power connector	• Power input connector (DC)
Mounting	• Wall • Ceiling

Wireless Module Parameters

Standards	• IEEE 802.11n/g/b
Frequency range	• 2.4~2.4835GHz
Wireless connection rate	• 2.4GHz - 11n: up to 300Mbps - 11g: up to 54Mbps - 11b: up to 11Mbps
Transmitter output power	• Less than 19dBm (79mW)



Receiver sensitivity	<ul style="list-style-type: none">• 2.4GHz<ul style="list-style-type: none">- 11b (11Mbps): -85dBm- 11g (54Mbps): -72dBm- 11n (HT20_MCS0): -88dBm- 11n (HT20_MCS7): -70dBm- 11n (HT40_MCS0): -86dBm- 11n (HT40_MCS7): -68dBm
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Functionality

Operation modes	<ul style="list-style-type: none">• Router• Access point• Wi-Fi repeater
Wi-Fi functions	<ul style="list-style-type: none">• Automatic channel selection• Schedule for Wi-Fi
Wireless connection security	<ul style="list-style-type: none">• Multi-SSID• MAC address filtering• SSID broadcast disable• Clients isolation• VLAN• WPA (Personal)• WPA2 (Personal)
Management	<ul style="list-style-type: none">• Web-based interface• Telnet• Centralized management via controller

Physical Parameters

Device dimensions (L x W x H)	<ul style="list-style-type: none">• 188 × 188 x 33 mm
Device weight	<ul style="list-style-type: none">• 0.28 kg
Package dimensions	<ul style="list-style-type: none">• 24.3 x 23.5 x 7.6 cm
Gross weight	<ul style="list-style-type: none">• 0.56 kg



Operating Conditions

Power	<ul style="list-style-type: none">• 802.3af PoE• Power adapter (not included in the delivery package): 12V DC, 0.5A
Max Power Consumption	<ul style="list-style-type: none">• 6W
Electrostatic Discharge Protection (ESD)	<ul style="list-style-type: none">• Up to 4kV (contact discharge)• Up to 8kV (air discharge)
Temperature	<ul style="list-style-type: none">• Operating: from 0 to 45 °C• Storage: from -40 to 70 °C
Humidity	<ul style="list-style-type: none">• From 5% to 95% (non-condensing)

Package Contents

Package Contents	<ul style="list-style-type: none">• Access point OAP300FC• Ethernet cable• Mounting kit• Quick Installation Guide
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Compatible Equipment

Wi-Fi Access Point Controller	<ul style="list-style-type: none">• OWC100
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Order Info

OAP300FC	N300 Access Point, 2.4GHz, 100Base-TX WAN PoE, 100Base-TX LAN <i>A power adapter is not included in the delivery package</i>
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