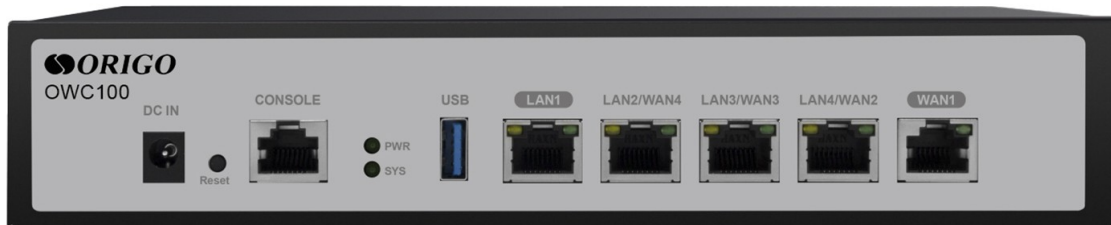




# OWC100

## Wi-Fi Access Point Controller

128 APs, 1x1000Base-T WAN, 1x1000Base-T LAN, 3x1000Base-T LAN/WAN, USB 3.0, Console RJ-45, 19" rack mounting



OWC100 is a controller for managing Wi-Fi access points.

The ORIGO OWC100 controller is designed for centralized management of wireless networks in education, healthcare institutions and small-to-medium enterprises.

The OWC100 controller provides auto-managed AP discovery, centralized configuration and monitoring of up to 128 ORIGO Wi-Fi access points. The compatible equipment includes a wide range of access points – from basic Wi-Fi N300 models to powerful Wi-Fi 6 AX3000 solutions, specially designed for high-density networks.

The controller supports radio frequency management, APs group configuration based on templates and group software update. Detailed statistics for each access point and connected clients allows you to monitor the network status and control the quality of Wi-Fi connections. The multifunctional security system includes protection against attacks, modern encryption standards WPA2/WPA3, user authorization via a Web portal (Captive Portal), MAC/IP address authentication and authentication using a RADIUS server.

### Key Features

- Centralized management of up to 128 access points
- Automatic detection of access points
- APs group configuration based on templates
- Group software update
- Captive Portal for user authorization
- Management via web interface
- 19" rack mounting



## Specifications

### Hardware

CPU and Memory	<ul style="list-style-type: none"><li>• CPU: MT7621AT</li><li>• RAM: 512 MB</li><li>• Flash: 16 MB</li></ul>
Interfaces	<ul style="list-style-type: none"><li>• 1x1000Base-T WAN port</li><li>• 1x1000Base-T LAN port</li><li>• 3x1000Base-T configurable LAN/WAN ports</li><li>• RJ-45 console port</li><li>• USB 3.0 port</li></ul>
Standards and Functions	<ul style="list-style-type: none"><li>• IEEE 802.3ab 1000Base-T</li></ul>
LEDs	<ul style="list-style-type: none"><li>• PWR</li><li>• SYS</li></ul>
Buttons	<ul style="list-style-type: none"><li>• Reset</li></ul>
Power connector	<ul style="list-style-type: none"><li>• Connector for connecting the power adapter (DC)</li></ul>
Mounting	<ul style="list-style-type: none"><li>• Desktop</li><li>• 19" rack</li></ul>

### Functions

Access Point Management	<ul style="list-style-type: none"><li>• Maximum number of access points – 128</li><li>• Automatic detection of access points</li><li>• Centralized configuration of network parameters of access points</li><li>• Adding access points to groups</li><li>• APs group configuration based on templates</li><li>• Group software update</li><li>• Automatic selection of the optimal channel</li></ul>
Internet Access Authentication	<ul style="list-style-type: none"><li>• Authentication via Captive Portal<ul style="list-style-type: none"><li>- Local Database</li><li>- RADIUS</li></ul></li></ul>



	<ul style="list-style-type: none"><li>• IP Authentication</li><li>• MAC Authentication</li></ul>
Security	<ul style="list-style-type: none"><li>• IP-MAC Binding</li><li>• Limiting the number of connections</li><li>• Suspicious LAN activity detection</li><li>• LAN protection against attacks</li></ul>
Wireless Security	<ul style="list-style-type: none"><li>• WPA/WPA2/WPA3-PSK TKIP+AES</li></ul>
Management	<ul style="list-style-type: none"><li>• Web-based UI</li><li>• Remote management</li><li>• Controller software update</li><li>• Network diagnostics using ping</li><li>• Saving/restoring configuration from a file</li><li>• Shutdown/reboot controller schedule</li></ul>

### Physical Parameters

Dimensions (L x W x H)	<ul style="list-style-type: none"><li>• 232.5 x 152.5 x 44.5 mm</li></ul>
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### Operating Conditions

Power	<ul style="list-style-type: none"><li>• Power adapter:<ul style="list-style-type: none"><li>- Output: 12 V DC, 1 A</li></ul></li></ul>
Temperature	<ul style="list-style-type: none"><li>• Operating: 0 to 55 °C</li><li>• Storage: -40 to 70 °C</li></ul>
Humidity	<ul style="list-style-type: none"><li>• Operating: 5% to 97% non-condensing</li><li>• Storage: 5% to 97% non-condensing</li></ul>

### Package Contents

Package Contents	<ul style="list-style-type: none"><li>• OWC100 Controller</li><li>• Power Adapter</li><li>• Ethernet Cable</li><li>• Rack Mount Kit</li><li>• Quick Installation Guide</li></ul>
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**Compatible Equipment**

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Wi-Fi Access Points

- OAP300FC
  - OAP1200F
  - OAP1200G
  - OAP1800G
  - OAP3000GI
  - OAP3000M
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**Order Info**

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OWC100

Wi-Fi Access Point Controller, 128 APs, 1x1000Base-T WAN,  
1x1000Base-T LAN, 3x1000Base-T LAN/WAN

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