

EPC1000

MANAGED WI-FI SERVICE PLATFORM

INTRODUCTION

EPC1000 is a virtualized simple-to-use solution in a unified networking. It's suited for MSPs and distributed enterprises customers who require the scale and flexibility of the secured and managed network. With a straightforward user interface and plug-and-play setup, network administrators can quickly deploy and centrally manage a Wi-Fi network of Edgecore APs.

Composed with multiple virtualized controllers (VC) as virtual machine instances, EPC1000 is an on-premises version of network management system typically deployed in the customer's private network, in their data center. A tier administration by each VC network empowers the multiple tenancy and rental application. For business demands, the centralized console of each controller delivers real-time monitoring, historical reporting, and quick troubleshooting, dramatically reducing the time and overhead in traditional network deployments.

With the EPC1000, organizations are able to simply provide the guest Wi-Fi service by customized captive portals. Integrated with Hotel PMS and self-registered authentication, EPC1000 sets a new standard for providing guest Wi-Fi service to increase market penetration from organization with minimal IT resources.

FEATURES HIGHLIGHTS

Plug-and-Play Installation

Automatic WLAN deployment and provisioning eliminates many repetitive and cumbersome tasks during initial network deployments. Such as PaaS, the EPC1000 platform eliminates the hardware cost for premises-based controller at each site, and can be accessed using any PC or mobile device.

Multiple-Site Management & Reporting

A single EPC1000 platform can manage APs at multiple distributed sites. Reporting and analytics displays can be easily customized by administrators to enable intuitive monitoring of system activity.

WLAN AP Groups

AP grouping with tiered administrator privileges allows flexible management of various subsets of APs. Each group has its own map-based view, unified management profile, and usage information collection.

Branded Captive Portals

The WYSIWYG Captive Portal Editor and 8 default themes simplify the process of configuration. Meanwhile, the YouTube advertisement, Facebook login and customized landing page are able to effectively increase the advertising reach and brand awareness.

Value Added for Managed Service Provider

The continuous revenue-generating business model with the same private platform minimizes the cost for proof-of-concept testing and sales by minimizing service lead time for new customers.

FEATURES SPECIFICATIONS

Simplified Deployment

- ♦ Automatic devices discover and connect to EPC1000
- ♦ Automatic provisioning without “click” routine via CAPWAP tunnel
- ♦ Browser-based user interface configuration and monitoring
- ♦ Built-in database for multiple application

Centralized Configuration

- ♦ Role-based user policy assignment
- ♦ Guest access functionality
- ♦ 802.1X authentication and UAM browser based authentication
- ♦ Time-based QoS limitation
- ♦ 802.1Q VLAN tagging per SSID
- ♦ Single update or bulk update of AP configuration profiles
- ♦ Scheduled SSID visibility and firmware upgrade
- ♦ Edgecore AP as DHCP server under NAT mode

Guest Access Network

- ♦ Simple access with existing social accounts inclusive of Facebook, Google+, LINE, Weibo, VK and OpenID
- ♦ Simple access with existing email addresses
- ♦ One button login with terms of service agreement
- ♦ Limited session time Wi-Fi service
- ♦ Image or video advertisements delivering
- ♦ Easy captive portal customization with WYSIWYG editor
- ♦ Built-in 8 default themes for captive portals

Network Management System

- ♦ Full visibility of platform resources
- ♦ Virtual image information and version management
- ♦ CPU and memory utilization monitoring
- ♦ Disk health monitoring
- ♦ License control for managed virtual controllers and APs

Dashboard

- ♦ Graphical widgets and status with real-time information
- ♦ 360° views of managed network, systems, devices, and clients
- ♦ Google Maps integration
- ♦ Quick summary of the system alerts and notification

Monitoring

- ♦ Real-time client list with traffic usage, uptime, and associated SSID
- ♦ Intuitive AP list with basic information and wireless LAN status
- ♦ Individual AP detailed radio monitoring in time dimension
- ♦ Searching, sorting and customizable filters
- ♦ Map based monitoring for checking the service device status
- ♦ Built-in multi-site network management tools

Reporting

- ♦ Historical statistics of AP status and association summary
- ♦ Selectable interval for reports generation
- ♦ Quick glance of top clients and devices listed by their usage for analytics and reviews
- ♦ Authenticated and unauthenticated clients information collection
- ♦ Exportable reports in .csv or .pdf file for administrators
- ♦ Periodically reports received via emails and FTP servers

Troubleshooting

- ♦ Built-in troubleshooting utilities including ping and live packet captures
- ♦ Radio detailed debugging information collection
- ♦ Notification and Alarm logs for quick problem device identification and basic fault releasing
- ♦ Email alert for specific AP status change, such as high CPU usage and high memory usage
- ♦ System log and other specific function logs are centralized accessible

SPECIFICATIONS

SYSTEM CAPACITY

Number of Managed VC	<ul style="list-style-type: none"> Up to 250
Number of Managed APs	<ul style="list-style-type: none"> Up to 10,000
Supported AP Model	<ul style="list-style-type: none"> ECW5211-L, ECW5410-L, ECWO5211-L, ECWO5213-L

HARDWARE

Form Factor	<ul style="list-style-type: none"> 19" (2U) Rack Mount (Mounting bracket included)
Dimensions (W x D x H)	<ul style="list-style-type: none"> 43.8 cm x 47.0 cm x 8.8 cm
Weight	<ul style="list-style-type: none"> 19.00 kg (41.90 lbs)
Hot-Swappable Power	<ul style="list-style-type: none"> Input: 100-240 VAC, 50/60 Hz (Power cord included) Power Redundancy
Interfaces	<ul style="list-style-type: none"> 8 x 10/100/1000Base-T Ethernet, Auto-MDIX, RJ-45 4 x 10G SFP+ Console: 1 x RJ-45, 1 x micro USB USB ports: 2 x USB 3.0 Management: 2 x RJ-45
LED Indicators	<ul style="list-style-type: none"> Power Power Error HDD System Standby
LCD Display	<ul style="list-style-type: none"> Yes
Hot-Swappable Fan	<ul style="list-style-type: none"> Yes (3 x Fans)
Storage	<ul style="list-style-type: none"> SSD x 2
Environmental Conditions	<ul style="list-style-type: none"> Operating Temperature: 0°C (32°F) to 40°C (104°F) Operating Humidity: 10% to 90% non-condensing