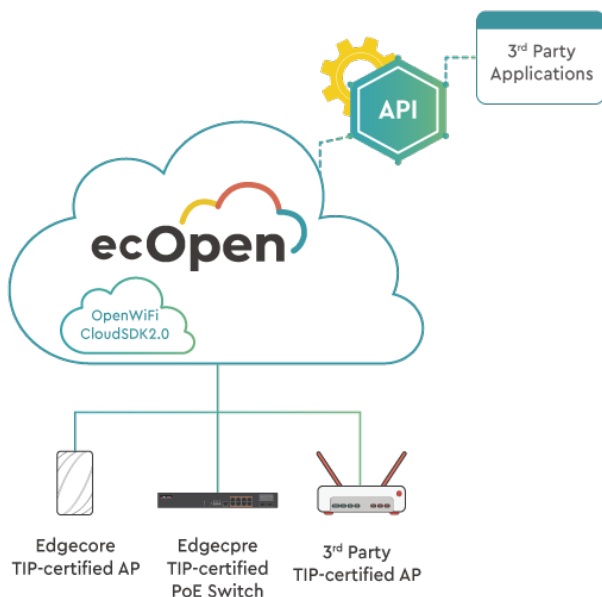# ecOpen Cloud Controller

INTRODUCTION

Edgecore ecOpen Cloud Controller provides unified visibility and control to all TIP OpenWiFi devices, simplifying deployment, management and monitoring of your single-site or multi-site network. ecOpen provides feature-rich, scalable, and ease of centralized management for networks of any size.

- **Powerful, Flexible Configuration**
  Simple and intuitive UI allows easy device adoption, informative alerts tab and flexible network maintenance.

- **Simple Device Registration**
  Plug in the device to the internet, add the device's serial number and MAC address to the cloud account, and the it is ready to go! The device will automatically provision itself.

- **TIP OpenWiFi Device Management**
  By converging with CloudSDK 2.0, ecOpen can support the full range of TIP OpenWiFi hardware devices and software applications, which realizes the dream of commercializing TIP OpenWiFi and making it a sustainable business model.

FEATURES

MULTI-SITE & MULTI-CLOUD SUPPORT
- Multiple sites can be created within cloud account
- Each site has its own distinct set of configurations, users, maps, and other properties
- Cloud users' logins can be associated with any number of clouds, and can have different roles under each cloud

SECURE, ROBUST ARCHITECTURE
- Encrypted device-to-cloud communication
- Data is secure and always kept private
- Scalability - up to 500 sites per cloud, and 500 devices per site can be registered.

ADMINISTRATION PRIVILEGES
- Administrator/Owner Role: Full control of a cloud and its sites
- Manager: Full write access to specified sites
- Guest: Read-only access to specified sites

POWERFUL, FLEXIBLE CONFIGURATION
- Bulk (site-level) and individual (device-level) configuration options
- Fallback for upgrade reliability

DEVICE REGISTRATION & LICENSING
- Simple and intuitive registration
- All licenses are floating and are not tied to a specific device

REMOTE FIRMWARE UPGRADE
- Upgrade multiple devices at one time
- Schedulable firmware upgrades
- Rolling upgrade option ensures most parts of the network are online at any given time

ALERTS & MONITORING
- Email alerts are generated when devices go offline or require your attention

LIVE STATISTICS
- Live data on the device dashboard comes directly from the device over a near real-time connection
- View data straight from the device:
    - Throughput rate per interface
    - CPU utilization & memory usage
    - Client counts
    - Uptime
    - Load

HISTORICAL STATISTICS
- Throughput rates per interface
- Client counts per wireless interface (SSID) over time
- Channel utilization per wireless radio over time
- Current networking status and traffic details
- Client session information
- Historical data can be stored for two weeks or more depending on the license type

AUDIT TRAIL
- All changes made to cloud are recorded in a system activity log