

Solution overview

UCOPIA EXPRESS UCOPIA ADVANCE

UCOPIA Communications has been a European leader in guest access management for over 10 years. With solutions specific to every type and size of organization, UCOPIA helps businesses to provide outstanding user services and ease the workload of IT managers thus allowing enterprises to benefit from their wireless network to the fullest extent.

The UCOPIA solutions bring a new dimension to the Wi-Fi infrastructures by reinforcing the security of both user and organization while focusing on the simplicity of use and administration. The user journey is straight-forward and friendly as the user is immersed into the universe of the organization through a fully customizable portal that can be adapted to the brand's graphic charter. Administration remains simple even while handling up to thousands of concurrent users in large projects. Besides, the UCOPIA solutions can transform the cost of the Wi-Fi infrastructure into a possible revenue thanks to their analytics and monetization features.

ENTERPRISE CLASS SECURITY

UCOPIA integrates the most important security features for Wi-Fi authentication and can interface with any type of internal directory. It offers simple access by Web portal for visitors and RADIUS server authentication to ensure the highest level of security to employees in a corporate environment. Each internet user receives a profile that defines his or her access rights and connection periods assuring that it is easy for staff and visitors to have the access they need, when they need it. All internet connections are automatically saved in a simple SQL database for easy recovery and exploitation.

A native URL filtering mechanism makes it simple to define access by profiles.

MOBILITY MANAGEMENT

With more than 80% of the workforce bringing personal devices to the office and many companies hoping to put BYOD policies into place, device management can become a headache. UCOPIA provides a simple answer to the problem of user account management by associating each user profile to a device type and then defining different access rights for each device.

Since visitor and personal devices are rarely pre-configured to automatically connect to the network, UCOPIA makes the job easy by letting users connect and access network resources with zero configuration, no prior installation, and no need for technical support. IP addressing, internet proxies, email and more can be handled automatically for all users. Web access through a favorite social media makes forgetting passwords a worry of the past. By picking up the UCOPIA mobile app in the app store, connecting on smartphones is a breeze as well.

HIGH-AVAILABILITY & SCALABILITY

To ensure high-availability and high-performance (number of concurrent connections), UCOPIA provides a powerful clustering mechanism based on redundancy and load-balancing. This guarantees the availability of the solution in the event of a problem with one box. The load distribution between boxes allows you to respond to the requirements of any increase in load which is particularly important in large venues such as stadiums or event centers.

REVENUE GENERATION

Transforming Wi-Fi from expense to revenue generator is now a real and exciting possibility for all businesses. Through UCOPIA's powerful data collection capabilities, businesses can send targeted marketing offers and push-advertising to user devices, use Wi-Fi data to better understand customers' needs and create statistics with in-depth social and marketing action-based data tracking.

For the hospitality sector, UCOPIA fully integrates with PMS systems to make sure that the wireless access is as simple as possible for hotel staff while making sure that finding a Wi-Fi password is the last thing on a guest's mind. UCOPIA also offers a selection of online payment services like PayPal and Ingenico Payment Services to let visitors or guests self-register and benefit from a paid wireless access if desired.

USER-FRIENDLY ADMINISTRATION

UCOPIA allows administrators to stay in control of their network using a simple online administration tool. They can see who is connected and what applications are in use in real-time, check out user analytics and produce automatic statistics reports instantly or send them via email, all without ever leaving the interface.

Administrators have the option to split their wireless access into zones, defining access rights and limitations for each area. Free access, time-credit access, bandwidth limitations and blocked access are all possibilities that can be managed simply with a UCOPIA solution in place. A centralized service management platform (UWS) allows for remote monitoring and administration.

FEATURES

SECURITY	<ul style="list-style-type: none"> • Authentication (Web captive portal - 802.1x/PEAP - 802.1x/TLS - Fixed MAC address or IP address - Automatic @MAC address authentication - Shibboleth - Seamless periodic reauthentication) - 802.1x/TLS • Social media login • Redirection on corporate web portal • URLs filtering • Access permissions on basis of user profile 	<ul style="list-style-type: none"> • Controller's incoming VLANs • Outgoing VLAN redirection on basis of user profile • WPA, 802.11i compliance • Ruckus DPSK • ARP spoofing protection • URLs available before authentication • Pre-authentication charter acceptance 	<ul style="list-style-type: none"> • Private information charter acceptance • Connections traceability and logs (User sessions - Traffic (URL, applications) - Automatic logs backup via FTP(S) - Automatic logs compression - Logs rotate) • Password policies and audit logs
MOBILITY	<ul style="list-style-type: none"> • Zero configuration (DHCP/ fixed IP address - Seamless mail access - Seamless Internet Access (proxy) - Seamless printer access) • AirPrint compliant • VPN pass through • QoS (by service, by user) • Data volume management (quota) 	<ul style="list-style-type: none"> • Time based access control (time slots & time credit) • Location based access control (Localization on ingoing and outgoing zones) • Multi-portal (one portal per zone) • Mobile App (iPhone, Android, BlackBerry) 	<ul style="list-style-type: none"> • iPass compliance • Device based access control (BYOD) • Conditional & adaptative profile
ADMINISTRATION	<ul style="list-style-type: none"> • Security and mobility policies administration • License per zone and/or user profile • Guest hosting and provisioning (SMS, email, form, ticket printing) • User account exportation via CSV • Delegated provisioning (Customization - Multi zones - Connection ticket printing (or sending by SMS or email) - Bulk accounts creation from a CSV file) 	<ul style="list-style-type: none"> • Supervision of connected users • Customizable reporting (PDF), sent automatically by email and/or FTP • Statistics (Predefined graphs - CSV export) • Sponsoring via email • Account refill 	<ul style="list-style-type: none"> • Reporting (PDF) • Customizable web portal • Customizable connection ticket • SNMP - MIB II • Syslog • CLI - Physical administration port (US5000, US10000, US20000)
BILLING	<ul style="list-style-type: none"> • Online payment (credit card, PayPal, Ingenico Payment Services) • PMS connector 	<ul style="list-style-type: none"> • PPS connector 	<ul style="list-style-type: none"> • AAA third party solutions integration (accounting)
INTEGRATION	<ul style="list-style-type: none"> • Integration with a corporate LDAP directory (OpenLDAP, ActiveDirectory) • Web proxy integration 	<ul style="list-style-type: none"> • API for third party tool integration • Integration with RADIUS (proxy) • PKI Integration 	<ul style="list-style-type: none"> • Directory cascading • Integration with multi-directories
ARCHITECTURE	<ul style="list-style-type: none"> • DHCP server (IN), DHCP client (OUT) • DNS server, relay • NAT • Routing 	<ul style="list-style-type: none"> • Customized NAT based on user profile • Wired connections • Multi-controller master • Multi-controller slave • High availability 	<ul style="list-style-type: none"> • Redundancy • Load balancing • Virtual appliance

UCOPIA has 2 products lines, available in physical and virtual forms: **Express and Advance**

PHYSICAL PRODUCT LINE



UCOPIA EXPRESS

UCOPIA ADVANCE

	Server 250 (UCP-US250)	Server 2 000 (UCP-US2000)	Server 5 000 (UCP-US5000-RDP)	Server 10 000 (UCP-US10000-RDP)	Server 20 000 (UCP-US20000-RDP)
LICENSE	Express 5 to 250	Express 5 to 2000 Advance 150 to 2000	Advance 150 to 5 000	Advance 150 to 10 000	Advance 150 to 20 000
FORMAT	1,2 U Appliance (2U rack option)	1U Rack 19"	2U Rack 19"	2U Rack 19"	2U Rack 19"
MEMORY	2 GB	8 GB	16 GB	32 GB	64 GB
HARD DRIVE	320 GB	1 TB	2TB (2 x 2 TB RAID1)	2.7 TB (4 x 900 RAID5)	5.4 TB (8 x 900 RAID6)
NETWORK	2 RJ45 (10/100/1000) 802.1q	2 RJ45 (10/100/1000) 802.1q	6+1 RJ45 (10/100/1000) 802.1q, 803.ad	8+1 RJ45 (10/100/1000) 802.1q, 803.ad	2 SFP 10Gbps +1 RJ45 (10/100/1000) 802.1q
DIMENSIONS	52 x 270 x 160 mm	44 x 430 x 500 mm	88 x 430 x 680 mm	88 x 438 x 732 mm	89 x 439 x 748 mm
POWER	60 W	250 W	650 W x2	750 W x2	1100 W x2
POWER SUPPLY	External	Internal	Hotplug (redondant) x2	Hotplug (redondant) x2	Hotplug (redondant) x2

VIRTUAL PRODUCT LINE



	Server 250 (UCP-UV250-VM)	Server 2000 (UCP-UV2000-VM)	Server 5000 (UCP-UV5000-VM)	Server 10 000 (UCP-UV10000-VM)
UCOPIA LICENCE	Express 5 to 250 Advance 150 to 250	Express 5 to 2000 Advance 150 to 2000	Advance 150 to 5 000	Advance 150 to 10 000

For the online documentation, go to : <http://www.ucopia.com/en/solutions/faqs-virtual/>