

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.

A UCOPIA solution placed at the heart of the Wi-Fi network gives administrators a **window to their network**. Not only does the ease of management and visibility improve, but so does the security for both the user and enterprise. Setup and administration stays simple even while handling up to **50,000 concurrent users** on large scale projects and fully **customized login pages** allow users to be immersed in the brand from the moment they log in.

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 problems of secure guest access and user account management. A **user-friendly login page** enables visitors to access the wireless network, while a **seamless connection** keeps employees "wired" with no need to repeatedly enter in login details.

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 Ogone** 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 (SMP) allows for remote monitoring and administration of UCOPIA solution for businesses that require it.

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 • Controller's incoming VLANs • Outgoing VLAN redirection on basis of user profile 	<ul style="list-style-type: none"> • WPA, 802.11i compliance • Ruckus DPSK • ARP spoofing protection • URLs available before authentication • Pre-authentication charter acceptance • 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) • Time based access control (time slots & time credit) • Location based access control (Localization on ingoing and outgoing zones) 	<ul style="list-style-type: none"> • Device based access control (BYOD) • Multi-portal (one portal per zone) • Mobile App (iPhone, Android, BlackBerry) • iPass compliance • 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) - Creating accounts en masse from a CSV file) • Supervision of connected users • Customizable reporting (PDF), sent automatically by email and/or FTP 	<ul style="list-style-type: none"> • Statistics (Predefined graphs - CSV export) • Reporting (PDF) • Customizable web portal • Customizable connection ticket • SNMP – MIB II • Syslog • CLI - Physical administration port (sv2000, sv5000) 	
BILING	<ul style="list-style-type: none"> • Online payment (credit card, PayPal, Ogone) • PMS connector 	<ul style="list-style-type: none"> • PPS connector • AAA third party solutions integration (accounting) 	
INTE-GRATION	<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 one directory • 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 sites (multi controllers) • High availability 	<ul style="list-style-type: none"> • Redundancy • Load balancing • Virtual appliance

PHYSICAL PRODUCT LINE

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



	Server 20 (UCP-SV-20)	Server 150 (UCP-SV-150)	Server 1000 (UCP-SV-1000)	Server 2000 RDP (UCP-SV-2000)	Server 5000 (UCP-SV-5000)	Server Blade (UCP-BLADE-SERVER)
UCOPIA license	Express 5 to 20	Express 5 to 150	Express 5 to 1000 Advance 150 to 1000	Advance 150 to 2000	Advance 150 to 5000	Advance > 10 000
Format	1U Appliance	1U Appliance	1U Rack	2U Rack	2U Rack	32 GB
Memory	1 GB	2 GB	8 GB	16 GB	4 x 900 GB (RAID 5)	24GB (per blade) x 6
Hard Drive	160 GB	320 GB	1 TB	2 x 2 TB (RAID1)	1.8 Go (4 x 900 Go Raid)	12 x 600 GB (RAID 5) 2 x 600 GB hot spare
Network	2RJ45 Connectors (10/100/1000) Base-T 802.1q	2RJ45 Connectors (10/100/1000) Base-T 802.1q	2RJ45 Connectors (10/100/1000) Base-T 802.1q	7 RJ45 Connectors (10/100/1000) Base-T 802.1q, 803.ad	9 RJ45 (10/100/1000) Base-T 802.1q, 803.ad	8 (10/100/1000) 8 (10/100/1000) backup Base-T 802.1q, 803.ad
Dimensions	52 x 270 x 160	52 x 270 x 160	44 x 430 x 505	88 x 430 x 700	44 x 445 x 720 mm 19" Rack	240x445x720mm 19" 6U rack
Power	12W	24 W	90 W	250 Watts x2	750 Watts x2	1000 Watts x4
Power Supply	External	External	Internal	Hotplug (redundant) x2	Hotplug (redundant) x2	Hotplug (redundant) x4

VIRTUAL PRODUCT LINE



The UCOPIA virtual appliance works on top of VMware. The online documentation: <http://www.ucopia.com/vm-faq>

	UCOPIA EXPRESS		UCOPIA ADVANCE	
	UCOPIA VM 150	UCOPIA VM 1000	UCOPIA VM 2000	UCOPIA VM 5000
UCOPIA license	Express 150 Advance 150	Advance 150 to 1000 Express 150 to 1000	Advance 150 to 2000	Advance 150 to 5000