

UCOPIA ADVANCE

With the proliferation of mobile devices and the increasing trend of BYOD, the network operators are facing increased challenges in how to efficiently and securely manage the guest Internet access and broadband usage through the Wi-Fi connectivity.

UCOPIA solutions are a next-generation identity and access control policy platforms that enable enterprises to enforce compliance, enhance infrastructure security, and streamline their service operations all without disrupting existing infrastructure and processes.

The UCOPIA Advance product line provides all of the UCOPIA functionalities and is intended for medium to large projects. (Campuses, Retail, Large venue / Public, Conference center, Airport etc)

UCOPIA Advance protects the organisation's LAN and resources from the wireless (Guest Wi-Fi) guest access network. UCOPIA Advance can also be used in a private Cloud architecture with local breakout.

For on site deployment, all data streams coming from untrusted WLAN, passing through the UCOPIA Advance controller become guaranteed and secured. UCOPIA simplifies integration of the Wi-Fi network to the corporate architecture, simplifies administration of Wi-Fi hotspots and enhances guest user experience.

For a deployment in a Cloud architecture, the UCOPIA appliance is set on a distant network. On site, a compatible equipment enables the portal redirection and a local breakout after authentication on the centralized UCOPIA appliance. Setting up UCOPIA Advance is very quick thanks to its simple and user-friendly administration graphic interfaces.

UCOPIA Advance provides a redundancy and load distribution mechanism, allowing several thousand concurrent connections.



UCOPIA ADVANCE LICENSE

ADVANCE 250 › 250 simultaneous connections

ADVANCE 500 › 500 simultaneous connections

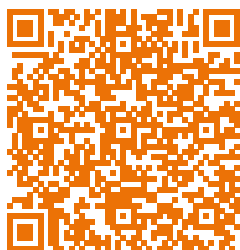
ADVANCE 1000 › 1000 simultaneous connections

ADVANCE 2 000 › 2 000 simultaneous connections

ADVANCE 5 000 › 5 000 simultaneous connections

ADVANCE 10 000 › 10 000 simultaneous connections

ADVANCE 20 000 › 20 000 simultaneous connections



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SECURITY

USER AUTHENTICATION

UCOPIA Advance allows various authentication mechanisms based on 802.1x (PEAP, TTLS, TLS) or HTTPS protocols.

UCOPIA Advance has an embedded RADIUS server and is able to use one or more corporate directories (LDAP, Active Directory) to carry out authentication. In addition, UCOPIA Advance offers advanced authentication mechanisms such as cascading directories, RADIUS proxies, authentication by zone, etc.

Administration of authentication policies for the various user populations is carried out very simply via a secure Web interface.

RIGOROUS MANAGEMENT OF ACCESS RIGHTS

Each user is characterised by his/her profile. The profile accurately describes the user's access rights (the Internet, messaging, internal applications) and **the profiles are applied dynamically during user connection periods.**

Depending on the user's profile, UCOPIA Advance is able to control which VLANs are authorised in input and output from the appliance.

Forexample, guests' datastreams will only be accepted into the input VLAN associated with the Host zone, the data streams will then be directed in output from the box directly to the Internet. This makes it possible to isolate different groups of users and thus to enforce the company's security policies.

THE RETENTION OF CONNECTION DATA

As soon as an organisation provides guest access, it has a legal obligation to protect connection data for those guests who connect to the network (European Directive 2006-24-EC and French Decree 2006-358 dated 24 March 2006).

UCOPIA Advance meets this need by managing session logs (who is connected and when?) and activity logs (who did what?), an indispensable mechanism for meeting the legal requirements laid down by counter-terrorism law.



URL FILTERING

UCOPIA provides a native URL filtering mechanism. Filtering can be applied as user profile level. Several URL categories are available (Adult, Aggressive, etc.) allowing to apply different policies and to differentiate for example an "Adult" profile from a "Child" profile.

GDPR COMPLIANCY

By logging on UCOPIA captive portal, users will be able to clearly declare their consent to the use of their personal data in a personal area reserved for the management of their data.

MOBILITY MANAGEMENT

GUEST ACCESS

UCOPIA Advance offers a straightforward and user-friendly Web tool enabling visitors to get an access to the network. Using this tool, an authorised individual will be able to create a temporary account, and select a predefined profile with a time slot and/or timecredit.

A connection ticket will be generated and handed to the user. In addition to this visitor hosting tool, UCOPIA offers solutions allowing users to self-register on the UCOPIA portal. Under these circumstances, no third party intervention is necessary; users receive their connection settings via text message or by email or buy time credit on-line making payment by credit card.

STRAIGHT-FORWARD AND CENTRALISED ADMINISTRATION

UCOPIA Advance provides administration, configuration and supervision functions via a simple and intuitive Web interface. UCOPIA Advance in particular allows real time display of connected users and the applications in use.

A statistical report of user sessions in PDF format can be generated automatically and periodically (daily, weekly, etc.). The report can be emailed to one or more recipients. (ex: total number of sessions, average duration of sessions etc).

DEPLOYMENT OVER MULTIPLE SITES

In a multi-site environment, mobile users need to be given a profile adapted to the connection environment. UCOPIA Advance allows you to automatically adapt the user's profile according to different criteria: the connection location (site, zone), the connection time, or the Advance appliance through which the remote mobile user is connecting.

MANAGING ZONES

UCOPIA Advance allows you to define zones: for example the reception and office areas within a business, the lobby and rooms in a hotel. Depending upon the zone to which the user connects, UCOPIA Advance provides a tailor-made authentication portal: free or chargeable, with or without time credit. The administrator can also decide to block access to certain zones, for example preventing guests from connecting to the office zone. A zone is associated with one or several VLANs.

SCALABILITY

UCOPIA Advance is an independent solution for Wi-Fi equipment that will flexibly adapt to any eventual changes in network and hardware architecture.

HIGH AVAILABILITY

UCOPIA Advance provides a redundancy and load distribution mechanism by implementing two or more UCOPIA Advance appliances. This guarantees availability of the solution in the event of a server failing. Furthermore, the load distribution between appliances allows you to respond to the requirements of any increase in load.

PORTAL CUSTOMIZATION

Use an intuitive login page editor from the administration tool or embed your own code directly for a fully personalized access experience.



FEATURES

• UCOPIA Express and Advance

• UCOPIA Advance only

CAPTIVE PORTAL	<ul style="list-style-type: none"> Secured captive portal with trusted TLS certificate Full customizable with HTML5 and CSS3 code edition 16 languages 	<ul style="list-style-type: none"> Login / Password in internal or corporate user directory Social media authentication Simple form connexion 	<ul style="list-style-type: none"> Terms & conditions and marketing opt-in agreement Multi-portals with multi-zones
SECURITY	<ul style="list-style-type: none"> Authentication (Web captive portal - 802.1x/PEAP - 802.1x/TTLS - Fixed MAC address or IP address - Automatic@MAC address authentication - Shibboleth - Seamless periodic reauthentication) - 802.1x/TLS 	<ul style="list-style-type: none"> URLs filtering Access permissions on basis of user profile Controller's incoming VLANs Outgoing VLAN redirection on basis of user profile ARP spoofing protection URLs available before authentication 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> 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) Multi-portal (one portal per zone) 	<ul style="list-style-type: none"> WispR 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 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"> Guest hosting and provisioning (SMS, email, form, ticket printing) User account exportation via CSV Monitoring 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"> 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"> Cascade d'annuaire Intégration avec plusieurs annuaires
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

GAMME VIRTUELLE



UCOPIA EXPRESS

UCOPIA ADVANCE

Server 250 (UV250-VM)	Server 2000 (UV2000-VM)	Server 5000 (UV5000-VM)	Server 10000 (UV10000-VM)	Server 20000 (UV20000-VM)
Advance 250	Advance 250 to 5000	Advance 250 to 5000	Advance 250 to 10000	Advance 250 to 20000

Should you need any information, please contact our sales team at sales@ucopia.com