



Business Class Secure Mobility

The UCOPIA Express Solution

UCOPIA Express 10

UCOPIA Express 20

UCOPIA Express 50

UCOPIA Express 100

UCOPIA Express 200

UCOPIA Express 300

UCOPIA Express 500

The UCOPIA Express solution

UCOPIA develops & markets two product lines, UCOPIA Express and UCOPIA Advance. These network access controllers, easy to deploy and to manage, meet the needs of in-house security, and employee and visitor mobility.

UCOPIA Express mainly targets small organisations (SMEs, clinics, branch offices, schools, etc.).



- Express 10
10 concurrent connections
- Express 20
20 concurrent connections
- Express 50
50 concurrent connections
- Express 100
100 concurrent connections
- Express 200
200 concurrent connections
- Express 300
300 concurrent connections
- Express 500
500 concurrent connections

➤ **UCOPIA Express** is positioned between a corporate LAN and a wired (Ethernet, DSLAM, CPL) or wireless (Wi-Fi) access network. All traffic to or from users pass through the **UCOPIA Express** controller so as to ensure security, simplify LAN integration, facilitate administration and improve user experience.

Depending on the model, **UCOPIA Express** is able to handle up to 500 concurrent users and is straightforward to install within the network infrastructure.

UCOPIA Express combines the key features of the UCOPIA solution in one simple to implement package. **UCOPIA Express** is particularly quick to install and implement, thanks to its straightforward and user-friendly graphical administration interface. It includes all the modules needed to run operationally (LDAP directory, RADIUS server, DHCP server, etc.) and requires no additional tools or modules.

↳ In-house security

■ User authentication

UCOPIA Express incorporates a full server for authentication, which checks user identities.

It offers authentication by Web portal particularly suited to visitors through its ease of use. UCOPIA Express includes a RADIUS server to ensure a high level of security for employees. UCOPIA Express is able to interface with any type of directory (LDAP or Active Directory). Administration of authentication policies is carried out very simply via a secure Web interface.

■ Strict management of access rights

Each user has a profile, describing precisely that user's permissions (internet, email, in-house applications) depending on time, location and user role in the organization.

Profiles are dynamically applied whenever users are logged in. Depending on the user's profile, UCOPIA Express can redirect user output traffic from the Express controller to a particular VLAN and redirect internet data traffic (proxy). This enables different user populations to be confined and thus the company's security policy to be enforced. UCOPIA Express is able to handle more than one profile, portal and data confidentiality level: UCOPIA Express complies with the encryption mechanism available in the terminals (TKIP, AES) and standardised by the IEEE 802.11i.

■ connection data logs

Whenever an organisation plays host to visitors, it is legally obliged to retain the connection data of those visitors who connect to the network (European directive 2006-24-EC and the French decree of 24 March 2006).

UCOPIA Express meets this requirement by managing session logs (who connected when) and activity logs (who did what). This data is stored in a dedicated SQL database and it can also be used to improve the network.

↳ Mobility management

■ Guest access

UCOPIA Express provides a response to the issues of secure guest access, zero configuration and managing user accounts.

A straightforward and user-friendly Web tool enables visitors to use the network. This customisable delegation feature can be used to define the delegate administrator's remit in advance. An authorised individual will be able to use UCOPIA Express to create a temporary account, and allocate a predefined profile to it with a time slot and/or time credit.

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 needed; users receive their connection settings via text message on their mobile phones or buy time credit on-line making payment by credit card.

■ Zero configuration mobile access

User PCs or PDAs are not always configured appropriately for connecting to the access network. UCOPIA Express allows users to connect and access network resources with no prior configuration or installation, and with no need for technical support. IP addressing, internet proxies, email, etc. are all thus handled automatically.

User experience is greatly increased and technical support work reduced to a minimum.

■ Zone management

UCOPIA Express allows zones to be defined, such as reception areas or offices in a business, the lobby and rooms of a hotel, etc.

Depending on the zone from which a user is connecting, UCOPIA Express shows the appropriate authentication portal – free or otherwise, with or without time credits, etc.

The administrator can also decide to block access from certain zones, e.g. visitors blocked from connecting in the office zone.

A zone is associated with one or more VLANs.

↳ Straightforward administration

UCOPIA Express provides administration, configuration and supervision functions via a simple and intuitive Web interface.

UCOPIA Express in particular allows real time display of connected users and the applications in use.

UCOPIA Express benefits

Business security:

- Authentication, confidentiality, traceability, confinement
- Access control by profile (employees, visitors)
- Wireless and wired network sharing

Mobility management:

- Customers, suppliers, subcontractors, partners
- Meeting and training rooms
- Procurement, security, legal obligations

Ease of use, implementation and administration

- Well-designed administration Web interfaces
- Zero configuration

The UCOPIA Express solution in brief

Appliance	Express 10	Express 20	Express 50	Express 100	Express 200	Express 300	Express 500
Capacity	10 concurrent connections	20 concurrent connections	50 concurrent connections	100 concurrent connections	200 concurrent connections	300 concurrent connections	500 concurrent connections
Hardware	Server 20	server 20	server 200	server 200	server 200	server 500	server 500

Features

Security	<ul style="list-style-type: none"> • Authentication <ul style="list-style-type: none"> • Captive web portal/HTTPS • 802.1x/PEAP • 802.1x/TLS • MAC Address or IP Address • Periodic transparent authentication • Redirection to corporate portal • Intrusions detection • URLs before authentication • Policy acceptance pre-authentication 	<ul style="list-style-type: none"> • Credit card online payment via Paypal or Payline • Access rights depending on user profile • Controller's incoming VLANs • Redirection to outgoing VLAN depending on user profile • 802.11i compliant
Mobility	<ul style="list-style-type: none"> • Zero configuration <ul style="list-style-type: none"> • DHCP/fixed IP mode • Transparent email access • Transparent internet access • VPN pass through 	<ul style="list-style-type: none"> • QoS • Connection time slot • Time credit • Multi-portal • Zones
Administration	<ul style="list-style-type: none"> • Security and mobility policy administration (services, user profiles, etc.) • Account provision by user self-registration and password notification by text message • Delegated administration (guest access) <ul style="list-style-type: none"> - Issuing connection tickets (print, text message, email) - Bulk account creation from a CSV file • Portal and connection ticket editor (customisation) 	<ul style="list-style-type: none"> • Supervision of connected users • Statistics • Traceability <ul style="list-style-type: none"> • User session logs • User traffic logs (URL, applications) • Automatic backup of log files via FTP • SNMP Support
Integration	<ul style="list-style-type: none"> • Integration with corporate LDAP directory (LDAP, ActiveDirectory) • Integration with Web proxy 	<ul style="list-style-type: none"> • Incoming VLAN integration • Outgoing VLAN integration • Property Management System interface • Pre-Payed Systems (Stream wide)
Architecture	<ul style="list-style-type: none"> • DHCP server • RADIUS server • NAT/VLAN routing 	<ul style="list-style-type: none"> • Local or centralised LDAP directory • Wired connection of user workstations

Power supply

Dimensions L x P x H

Server 20	80 W	52 x 160 x 270
Server 200	220 W	88 x 219 x 254
Server 500	300 W	44 x 430 x 380