What are UCS Wireless Services?

A substantial proportion of connections to the University Data Network are now made wirelessly, and users and visitors expect to find seamless wireless provision across the Collegiate University. The UCS wireless service (Lapwing) provides everything needed to achieve this.

Institutions wishing to provide wireless networking on their sites can make use of several different facilities provided by the UCS. The Service can survey sites and advise on coverage and optimum selection and deployment of access points (APs). It can then provide and manage the entire Lapwing network. Users are authenticated via Raven or via the eduroam service and have full access to Cambridge-restricted resources; temporary visitor tickets can also be issued. Institutions which choose to run their own wireless networks can connect these to the CUDN via their own network and can make the eduroam authentication service available to their users.

Features

- Lapwing: the wireless gateway serving the University of Cambridge. The UCS can provide any institution with access points from a wide range of options, associated networking configuration, and maintenance on the APs for the duration of their rental.

- Surveys: available to any institution to assess current coverage or likely requirements for access points.

- Lapwing supports a browser-based authentication service using Raven available to all current University staff and students. Visitors can be issued tickets to authenticate via the same web page. Lapwing also supports eduroam, an international initiative for cross-institution authentication, for academic visitors or internal users.

- Cambridge users who have configured their device for eduroam can then use it worldwide at institutions participating in the eduroam initiative.

- Institutions preferring to implement their own wireless system can nevertheless make use of the federated eduroam authentication provided by the UCS.

- A range of access points is available for home, office, teaching areas or even outdoor use, allowing users the widest possible coverage for wireless connectivity with full access to Cambridge-restricted resources.

http://www.ucs.cam.ac.uk/wireless
Managing and monitoring

Using Raven authenticated access, the Lapwing console allows institutional system administrators and users alike to create temporary tickets for visitors to use. Administrators have additional functionality enabling them to monitor usage based on zones, which can be useful when managing conferences, teaching areas, or other wireless hotspots.

Charging

Surveys: no fee for the initial consultation; survey time charged at £50 per hour or £300 per day.

APs: no initial consultation/implementation charges, no software licence costs. Recurrent costs for APs range from £55 per year for personal access points to £95 per year for a high-quality business class AP. See the website for details.

Further Information

Email: network-support@ucs.cam.ac.uk
Web: www.ucs.cam.ac.uk/wireless

University Search: wireless

Related Services

Wireless Surveys
Managed Network

Managed services for institutions

Calendar – Google calendar with Raven authentication and calendars of University dates
Desktop – central filestore, managed print, application delivery, personal and group web pages
Directory – web- and email-based online directory with delegated management of content
Email – spam and virus filtering, managed mail domains, institutional mailing lists
Hosting – networked rackspace in a secure environment with redundant power, cooling, fire suppression
Consultancy and support – reviews and strategic advice, recruitment, induction and appraisal of staff, institution support service
Network – end-to-end network connectivity: IPv4, IPv6 or raw fibre, installation services, wireless, DNS
Search – institutional control of quicklinks and filtered searches, for web and directory searching
Telephony – VoIP telephony with institutional call-logging and billing access
Training Facilities – training booking system for any course provider, bookable facilities, customised training courses
Video – recording, encoding, storing and streaming institutional video content
Videoconferencing – fully equipped central facility, equipment hire, consultancy on institutional facilities
Web – hosted web servers, Wikis and content management system

General contact for managed services: UCS Institution Liaison office
Phone: 34720/48477
Email: institution-liaison@ucs.cam.ac.uk
Web: http://www.ucs.cam.ac.uk/linkpages/managed