



## CASE STUDY | COMMUNITY

# Black Box deploys an integrated IP solution as the cornerstone for growth, reliability and security.

### BACKGROUND

Antrim Parish is an amalgamation of churches and community buildings in Antrim, Northern Ireland. Several of their buildings required major refurbishment and an IT upgrade. Antrim Parish were not sure of their specific IT requirements but had a vision of what they desired so they contacted Black Box Network Services for advice on the most appropriate solution, taking account of the physical constraints of the campus site.

### CHALLENGE

Antrim Parish put together a strategy to improve their IT technology in three of their main buildings – the Parish Administration Office, the Minor Hall, and the Youth Centre which includes a training room, child care and catering facilities. They needed an infrastructure which would handle their current and also their future technology requirements.

Black Box carried out a thorough audit of the buildings and the capacity of the legacy systems to support the client's communications and security needs. The site audit indicated the requirement for a point-to-point wireless network to link the two remote buildings to the Administration Office, which is the main hub for all three buildings. This wireless infrastructure would provide the backbone for the installation of an IP PBX, an IP CCTV system, an IP-based door entry system, and a public-facing Wi-Fi network encompassing the full campus site.

### SOLUTION

Black Box provided [consultancy, design, supply and installation services](#) to deliver an integrated IP communications infrastructure, deploying wireless backbone links to enable IP connectivity to the remote buildings consisting of:

- External point-to-point wireless links, and internal Wi-Fi access points
- Category 6 cabling with telecommunication enclosures within each building
- VoIP telephony
- IP CCTV system with local and remote monitoring capabilities
- Public Address system over IP
- Multi-user secure door entry system.

*"Black Box maintains our IT network and have always been very helpful and supportive. We have a very good working relationship with them and trust them completely."*

Grace Henry, Antrim Parish Community Officer

**CLIENT:**  
ANTRIM PARISH

**REGION:**  
UNITED KINGDOM

**WEBSITE:**  
[WWW.ANTRIMPARISH.COM](http://WWW.ANTRIMPARISH.COM)

**INDUSTRY:**  
COMMUNITY

**SOLUTION:**  
IP NETWORK INTEGRATING  
CCTV, SECURE ACCESS, VOIP  
AND WI-FI





## OUTCOME

The IP technology has provided seamless communications between the buildings, and improved reliability and speed on the network. There was an initial outlay to implement the new VOIP solution but it is already making savings with reduced line rentals, free local and national calls and reduced support costs. The legacy telephone system was often slow and unreliable so the new solution provides better call control and improved communications.

The infrastructure allows for better security with several monitoring options and protected entry systems. Previously, everyone who used the buildings carried sets of keys. Now the campus buildings have an IP networked system which is totally customisable for each user's access time and building requirements. The door fob entry system gives allocated remote access to particular people, only at the specific times that they need access. The IP CCTV installation has given the client added peace of mind and reassurance if footage ever needs to be checked.

Due to the inherent flexibility and scalability of the IP solution, additions to any of the telephony, CCTV, Wi-Fi and access control systems can be easily and cost effectively implemented. The network infrastructure is future-proofed.

The project was managed quickly and smoothly, and any issues that arose were dealt with in a proactive and efficient manner. Training was provided to all of the relevant staff at Antrim Parish, demonstrating the numerous features and potential capabilities the new IP solution has to offer.

Grace Henry, Antrim Parish Community Officer, commented:

*"We are all delighted with the IP technology that Black Box has deployed at Antrim Parish. It has given us better control over our network, telephone system and monitoring equipment. The IP phones are reliable and simple to use. It is great to know that all three sites are now fully integrated over wireless links, making communication easier. Black Box designed our IP solution, commissioned it and installed it.*

*They now maintain our IT network and have always been very helpful and supportive. We have a very good working relationship with them and trust them completely."*

The IP solution has meant that Antrim Parish now has a modern, fit-for-purpose system that has the flexibility and scalability to take them into the modern age. The installation has also increased letting revenue potential for the client as the buildings are now equipped with up-to-date IT technologies, facilitating user requirements.

### REQUEST A FREE CONSULTATION:

Let us assist you in your project and answer any questions related to your application.

[black-box.eu/freeconsultation](http://black-box.eu/freeconsultation)

