

Case Study

Company:

University of Cambridge



Technical

Specification:

The B&B Electronics PoE+ Giga-MiniMc/LFPT Features 2 x 10/100/1000Base-T copper UTP ports and one SFP uplink port that supports either a copper or fibre SFP, the PoE and PoE+ Giga-MiniMc are Power Source Equipment (PSE) devices capable of powering up to two Powered Devices (PD) over standard CAT5 cable.

Project Overview:

The University of Cambridge — a highly respected and well known seat of learning in England for over 800 years, needed to expand their mobile device IT network.

In 2013 a route plan for the 2014 Tour De France included passing through the City centre in July. It was clear from the University IT directors that the attended data networking activities for both officials and public involved or present at the event could be catered for by setting up a public Wi-Fi data network. Right from the start it was desirous to make this 'free to use' so that anyone in the area could access the internet from their own devices using standard browsers during the Tour and as a public service to be maintained afterwards.

FTL Solution:

After application assessment and consultation between Fibre Technologies and the Data Networking Managers at the University a number of options were rendered down to use of existing street light stanchions, Aruba Wireless Routers, FTL's wide temperature range PoE+ Media Converters, extended temperature small form pluggable (SFP) fibre transceivers and industrial grade power supplies.

Conclusion:

The networking solution comprises of the FTL data over fibre equipment, Aruba Wireless Routers and University IT infrastructure. The very wide temperature variations to be encountered within the sites lighting stanchions during extremes of summer and winter weather required specialised communications equipment. FTL's partner B&B Electronics had just the right solution in terms of environmental compliance, compact size, low power consumption, application flexibility and cost effectiveness along with a lifetime warranty.

Customer Feedback:

"Nick Harwood, Network Installations Manager at Cambridge University's information Services, has worked on many occasions with Fibre Technologies to source products for projects relating to the University's optical fibre networks.

He stated that Fibre Technologies have always gone the extra mile in helping us to achieve our goals."