

High performance, enterprise-class, hosted or on premise Wi-Fi solutions

Key Benefits

- Delivers high-speed, high-performance, 'always-on' connectivity and meets demands for evolving communications needs.
- Provides secure communications and ease-of-administration through a centrally managed solution that can scale as required.
- Suitable for heterogeneous environments with single access point in multiple locations, or a group of meshing access points or fixed points.
- Choice of on premise or hosted solutions for interior or exterior environments available.
- Fully interoperable with all mobile laptops, tablets and smartphones.

The provision of Wi-Fi in a corporate environment, hospitality setting or educational campus enables staff, clients, students and guests to stay connected to real-time information. EMR deploys hosted or on premise wireless solutions, suitable for interior or exterior use that deliver secure, reliable communications with the highest levels of support.

Project Lifecycle

EMR provides a comprehensive approach to the design, delivery and support of all Wi-Fi solutions and each deployment is managed by an experienced, certified project manager.

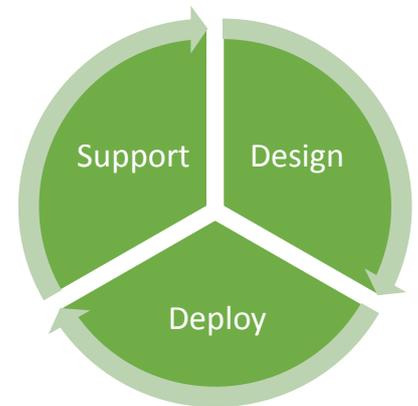
Site Audit and Network Planning

Our network engineers use comprehensive design tools including sophisticated Wi-Fi analysers to identify the most appropriate locations for access points. We also carry out a detailed review of the structured cabling, mitigate for potential interference as well as assessment of core network requirements. Our solutions are flexible enough to cater for varying degrees of access and resources and/or bandwidth restraints can be applied to specific user groups in order to maintain high availability to select users.

With multiple SSID and VLAN support, the EMR Wi-Fi solution makes it easy to create multiple networks for different classes of users. One SSID can be public and require users to purchase access, while another SSID can be private and bypass the login process entirely by virtue of MAC address, or a separate VLAN. The possibilities on classes of service are infinite.

Technical Solution

Our solution set consists of a wireless controller to manage the core of the Wi-Fi solution, access points to deliver the service to the user's device, network switches, which connect the access points to the network and cabling infrastructure, connecting all of the above.



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Key Features

Features of EMR WiDirect and EMR WiClient include:

- Plug & play network deployment
- Built in network services: RADIUS, DNS, DHCP, Sys log, FTP
- Multiple SSIDs
- Built-in enterprise-class security suite
- Automated daily system backups for emergency recovery
- Integrated Network Monitoring with Wi-Fi Mesh Graphs
- Up sell network access based on time and/or bandwidth
- Walled Garden support
- "Capture and Redirect"
- MAC address based authentication
- Client branding
- User self-registration and support
- Manageable access restrictions including date, time, aggregated time, web sites and much more.

1. **EMR WiDirect Wireless Controller** provides the provisioning software to manage both users, and the network itself and can support between 10 and 1000 APs and 50 to 10,000 concurrent users. WiDirect is access point agnostic and provides a comprehensive solution for user authentication, network monitoring and all other services required for secure, efficient network operation.

EMR WiClient is an easy and effective way to expand a Wi-Fi network to more places. WiClient can run as an appliance in front of many access points or can turn individual access points into centrally managed Wi-Fi hotspots. So whether you are running a large scale mesh, or individual APs at thousands of locations, WiClient enables expansion of the network anywhere.

EMR WiCloud provides a fully managed, hosted solution in the cloud. Offering clients low set-up costs, flat monthly fees and no hardware maintenance costs, migration from on premise to a hosted solution can be performed at any time without service interruption.



2. **Access Points and Network Switches** can be Power over Ethernet (POE) or locally mains powered and as a vendor-agnostic provider, we'll always ensure that the best hardware is deployed to meet customer requirements. We'll also endeavour to leverage existing infrastructure where possible to reduce overall project costs.
3. **Cabling infrastructure is** audited at site survey stage to ensure it fulfills the requirements of the Wi-Fi deployment. Where new cabling is required, it is deployed in strict adherence to appropriate standards.

Post-Sales Support

EMR provides various levels of Service Level Agreements (SLAs) that can be tailored to meet customer requirements including technical helpdesk and call logging, defined response and on site times, automated logging of incidents, escalation procedures and a fully managed service.