

ELECON INFORMATION TECHNOLOGY LTD



Always a step Ahead in technology

EITL – A Part of ELECON Group of Companies.

EITL is the IT division of the Elecon group of companies and has an experience of more than 15 years in the field of hardware, software and networking solutions. Situated in the heart of Vitthal Udyognagar an Industrial Estate and in the proximity of the educational town of Vallabh Vidyanagar, EITL is all set to reach new heights in the field of IT solutions.

ELECON established in 1951, Elecon Engineering is located in Vallabh Vidyanagar, India. Elecon manufactures Helical gears, Spiral bevel and Helical gears, Planetary gears, Worm reduction gear unit, Coupling and gear boxes for highly specialized and precision application.

Role of EITL in Elecon

- EITL is basically formed to provide IT services to Elecon Group companies.
- Elecon comprises of 17 different small & Large group companies.
- Elecon is having its branch offices in many part of India like Mumbai, Delhi, Bangalore, Chennai..etc and also in different countries like Singapore, Australia, Dubai (UAE), South Africa, etc..
- EITL main concern was to provide IT services – Software, Hardware & Networking to Head office & all the Branches in India as well as to overseas Branches.
- EITL emerged as a WISP from last 3 years. We started providing services related to Internet .

Solutions & Services

- Wireless Networking
 - Point to Point Wireless Link
 - Point to Multipoint Wireless Link
 - Base Station Setups
 - N-stream Wireless Link
 - Wi-Fi Hotspot Setups
- Structured Cabling
- ISP Consultancy
- Network Consultancy
- Hardware Sales & Services

Requirements

- After the successful setup of Internet services, need arise to make Elecon Hotspot Wi-Fi enabled.
- Elecon is spread in the area of 5 square Kilometers having lot many office buildings, Conference rooms, Production units, Guest Houses, Gardens and lot more.
- The first and foremost requirement in the Wi-Fi was the security, we explored many products but our requirements were NOT fully satisfied, until we started using MikroTik.
- MikroTik was the only products which provided us everything which we needed including Hotspot with security and of course User Management.
- Today Elecon is Wi-Fi Enabled and running successfully from last more than one year.

Wi-Fi Enabled Zones in Elecon

Conference Rooms



Wi-Fi Enabled Zones in Elecon

Office Buildings



Wi-Fi Enabled Zones in Elecon

Guest Houses



Wi-Fi Enabled Zones in Elecon

Receptions



Wi-Fi Enabled Zones in Elecon

Canteen



Wi-Fi Enabled Zones in Elecon

Gardens



Products & Features

Product

MikroTik Router board 532 & 133.

Dome Antenna – 6dbi.

Omni Antenna – 6-7 dbi.

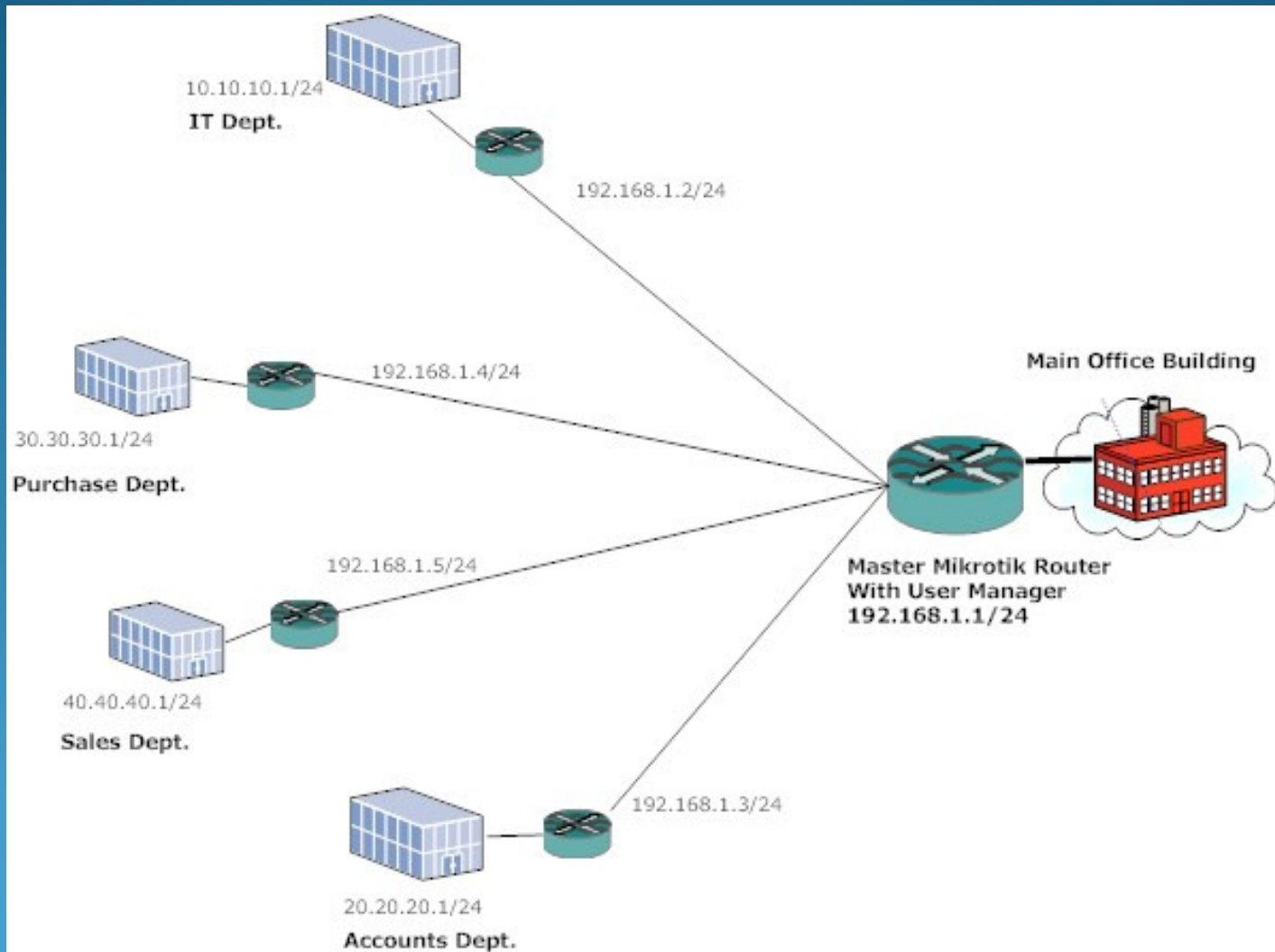
Sectorial Antenna – 16dbi

Other Accessories

Features

MikroTik Hotspot with different user profile .

Centralised Authentication



User Manager

- MikroTik User Management System.
- User Manager - works as a Radius Server
- User Manager can be integrated with
 - Hotspot Users
 - PPP Users
 - DHCP Users
 - Wireless Users
 - Router OS Users.

Centralised Authentication Over VPN Tunnel

As Company Managers , Directors and other seniors employees are frequently visiting Branches in India as well overseas.

This people can easily access the Elecon Network and local internet with same ID & Password they were given at the central site.

Central Site

Installed VPN Server at central site in MikroTik router which is used as User Manager for centralized authentication

Branch Offices

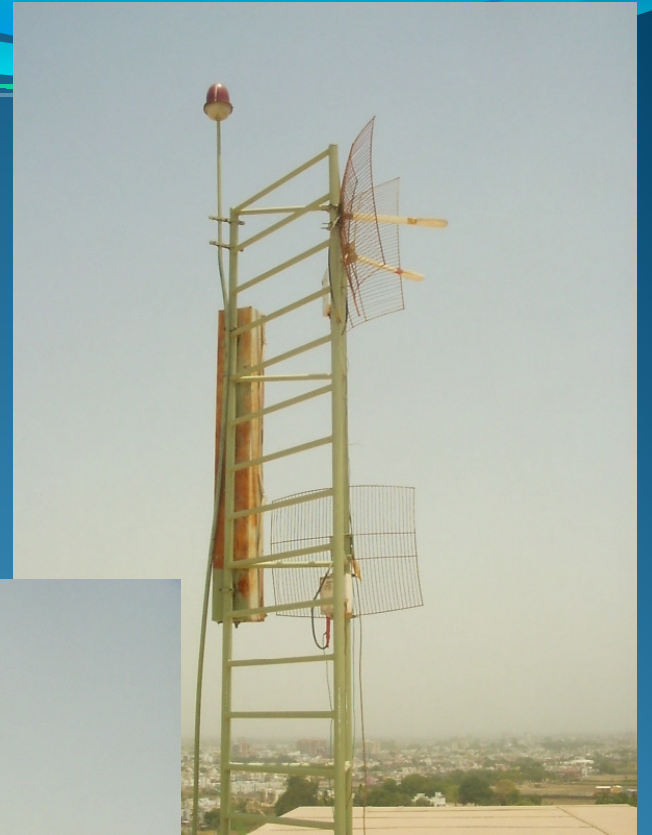
Installed Wi-Fi Hotspot at every Branch

Installed VPN (PPTP) Client

EITL as WISP

- Providing Internet services to Corporate & Educational Institutes.
- Installed Wireless Base Station at Central Locations.
- Installed Point to Point & Multi point wireless Links.
- Installed LONG distance link using N-Stream for high throughput .
- Installed Backhaul Wireless link on 5 GHz and Remote distribution nodes on 2.4 GHz.
- Installed Hotspot Wi-Fi Zone Setups.

EITL as WISP



Networking Using MikroTik

- Bandwidth Management
- Routing – Static / Dynamic
- Proxy Server With Cache
- VPN Servers & Clients
- DHCP Servers
- Authentication services like PPPoE, Hotspot, PPTP..etc..
- Firewall
- User Manager
- Wireless Connectivity
- Wi-Fi Hotspot
- Network Monitoring

Successful Stories

- Elecon Wi-Fi With Centralized Authentication
- Vidyog-2008 industrial fair- Wi-Fi Enabled Event
- GCET & SEMCOM College – Wi-Fi Enabled, More than 1000 users
- Charutar Vidya Mandal -35 Schools & Colleges on wireless network.
- Point to Point Link between Anand-Cambay, Approx Distance is 45 km on 5 GHz.
- And the count is still on...

Thank you

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