

## eXS ZONE SOLUTION



The eXS<sup>®</sup> ZONE gives users access to voice and data networks quickly and easily. Users can start to enjoy telephone calls as well as Internet access.

### **Affordable**

Network Providers can deploy the eXS ZONE<sup>™</sup> wireless infrastructure quickly with minimal up-front investment and start generating revenue immediately. The eXS ZONE provides a very attractive business model compared to other solutions.

### **Easy to Install**

The eXS ZONE is "plug and play". Mounted on a building, lamp post or other structure, eXS NODEs automatically link to each other, forming the eXS ZONE.

### **No Traffic Jams**

Dual radios in each eXS NODE<sup>™</sup> deliver peak traffic performance. One radio is devoted to the networking traffic and one to the users.

### **Scalable**

As the number of users increases, eXS NODEs are added to the eXS ZONE, expanding the coverage. Proprietary software adjusts to the increased coverage and traffic, in the middle or at the edge.

### **Resilient**

The eXS NODE meets tough environmental conditions. If something fails, the eXS ZONE automatically reroutes traffic around the failure, so users are unaffected. Redundancy is built-in.



## **Service is Business**

Many business plans worked out by service providers show positive cash flow in a very short time. Since there is no large up-front investment by them, they can offer low fees to their users.

## **Wireless Access**

In a residential development, a NODE can be attached to every home. The NODE can connect to a phone inside the home and it can have a wireless link to a laptop computer inside. The NODE can support surveillance cameras too.

## **eXS ZONE Features**

The eXS ZONE mimics the Internet itself. The wired Internet is an assemblage of routers that have various interconnections to each other, often called a "mesh" architecture. These links are wireless in the ZONE.

The meshing and routing within the ZONE is done by a software-controlled eXS NODE. The ZONE establishes a wireless "cloud" over an area, giving everyone within that cloud voice and data access to the Internet.

The eXS ZONE networking technology is an innovative solution to simplify the task of building complex networks. By building "intelligence" into each eXS NODE, the network is a self-organising structure.

The self-determined routing by the eXS NODE has the added benefit of reaching locations

with barriers or obstructions. A NODE only needs one link to be part of the network.

## **Privacy**

The eXS NODE is designed to address security from the client to the eXS NODE and between the eXS NODEs within the eXS ZONE.

There are several levels of privacy built into the ZONE. The first is "over the air" security by encrypting information. The second is verification and authentication of the user. The third is preventing others from spoofing the network with rogue NODEs.

Many professional people work at companies that require them to use a privacy technology called Virtual Private Network (VPN). Using a computer in some locations can expose company information, so the VPN protocols provide a secure means of communicating with the corporate network.

## **Dual Radios**

Why do dual radios matter? Performance! In any given instant, a radio is transmitting or receiving a data packet. It cannot do both at once. The users are busy sending and receiving packets from their phones or laptops, keeping the access radio very busy. However, the other users in the ZONE want their traffic moved along to the Internet. That's what the second radio is busy doing.

## **Applications**

Housing developments, universities, hospitality complexes, industrial zones and other grouped users lacking communications.

## **Contact Information**

eXS Network Technologies Sdn. Bhd.  
(450645-V)  
Suite 12-1, 12th Floor  
East Wing Rohas Perkasa  
No. 8, Jalan Perak  
50450 Kuala Lumpur, Malaysia  
Tel: +60 3 2163 4045  
Fax: +60 3 2163 3045  
e-mail: [info@exsnetworks.com](mailto:info@exsnetworks.com)