



*From Divergence to Convergence*

## **Wireless Broadband Solution**

Clear, Clean Cost effective Broadband Wireless Solution (WBS) for businesses, homes and community needs,

ISDN Technologies can provide reliable cost effective wireless broadband network solutions.

In today's competitive environment, internet and network application are essential for sustainable development..

ISDN Technologies Wireless Broadband Solution is ideal for High Speed Internet Access, Voice over IP, Video on Demand, Analog/Digital TV, Video Conferencing, Remote Surveillance and Monitoring, Virtual Class Room and

Telemedicine



### **Delivering Networks of Future Growth:**

*High Speed Internet Access*

*VoIP*

*Video on Demand*

*Analog/Digital TV*

*Telemedicine*

*Video Conference*

*Remote Surveillance*

*Remote Monitoring*



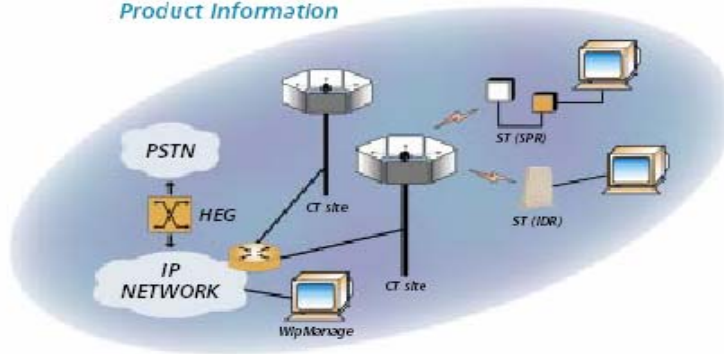
## Wireless Broadband Solution by ISDN Technologies:

Wireless Broadband Solution (WBS) by ISDN Technologies is a low-cost high-performance Fixed Wireless Access System designed to deliver high-speed data, Voice over IP (VoIP) and Multimedia Services to:

- Multidwellings /Multitenants Units like Condominiums, Gated Communities, & Housing Societies (Builders and Developers).
- Remote project sites for video conferencing, telecommunication and data connectivity.
- Service Providers (Cable/DSL/Dialup ISPs) as Last Mile Connectivity solution.
- Sub-urban and Rural Areas (Audio, Video & Voice Networks).
- Commercial & Industrial Customers geographically spread in the city like Banks, Industrial Units and Warehouses.
- Health Care Sector for setting up Telemedicine facilities.

User is capable of delivering burst data speeds of up to 4 Mbps to each customer. This solution introduces real-time adaptive modulation (2-, 4-, 8-level FSK) and auto retransmission request (ARQ); features that offer high quality services whilst maximizing spectrum utilization. This wireless broadband solution is available in 2.4GHz (ISM), 2.6GHz and 3.4-3.8GHz, 5.8 -34 GHz bands (both in licensed and un-licensed spectrum).

### Product Information



### Key Features (Benefits)

- Minimizes initial investment, maximizes return.
- IP based air interface supporting high speed data, VoIP and video services.
- Modular architecture with flexible deployment architectures.
- 4Mbps per sector, up to 24 sectors per Base Station.
- Compact, integrated design.
- Advanced Quality of Service (QoS) features
- Simultaneous support of Router and PPPoE functionality.
- Sophisticated bandwidth management, CIR, MIR features.
- Supports 802.1Q/p and VPNs.
- Easy-install, indoor Subscriber Terminals.
- Auto seek and connect feature for faster deployment of customer terminals.

### System Architecture:

Our Solutions are designed to offer broadband access to wide range of customers. The heart of each system is the central Terminal (CT), which provides radio signal to and from the Subscriber Terminals (ST) deployed at the end user location. The CT connects to the IP cloud using industry standard 100BaseT Ethernet interface. This solution supports two main types of STs, a split version comprising of a compact outdoor unit and an indoor unit and all-in-one indoor unit. This solution supports a range of indoor units for data and voice applications. Together with a Residential Access Gateway (RAG) located at the customer premises and a Head-end Gateway (HEG) connected to a class 5 switch, provides high-quality VoIP solutions. H.323, MGCP and SIP protocols, as well as a wide range of voice coding standards are supported.

The wireless Broadband access solution incorporates numerous features that make this solution a cost affective to produce, deploy and operate.





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### **About ISDN Technologies**

ISDN Technologies is a Canadian System Integration Company fully backed by experienced professionals in Wireless Broadband, Information Technologies, Electronics and Telecommunication. It uses state-of-the-art Wireless Broadband Technologies for business and housing communities. We specialize in clear, clean and cost effective deployment of 1.5 Mbps to 100 Mbps Audio, Video and Data Access Networks.

The company has provided comprehensive solutions to Small and Medium Sized Enterprises in LAN/WAN, data, video and convergence products (Hardware & Software), Video Distribution, CCTV, Alarm and Access Control.

The Company has a focused business plan i.e. to deploy broadband technologies wherever and whenever possible from High Speed Internet Access and Convergent Networks to very specialized projects like Telemedicine, Telemetry, Remote Metering, Video Conferencing, and VoIP.

We employ the cutting technologies from Cisco, Airspan, WaveCom Electronics, SMC, D-Link, Microsoft, IBM, HP, Dell, and Scientific Atlanta.

### **How ISDN Technologies can help you?**

ISDN Technologies can provide you , complete design support, deployment and project management skills from conception to final stage of Broadband Network Deployment.

Please feel free to write or call us for complete project proposal and project demonstration.



*Worldwide Headquarters: ISDN Technologies.*  
122-1200 Markham Rd. Toronto,  
Ontario M1H 3C3, Canada  
Tel: 416-289-1911 Fax: 416-289-6473  
<http://www.isdntechnologies.ca>

