



IoSTARWireless

Reliable | Flexible | Scalable

IO GLOBAL SERVICES PVT. LIMITED

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IoStarWireless

The **IoStarWireless** is a 'fixed wireless' service providing Internet connection to customers by connecting to the central hub via a stationary radio signal rather than by any physical (wired) connection.

Fixed Wireless is line-of-sight wireless access technology that is ideal in the following situations:

- Ideal for quick deployments
- Bandwidth is easily upgraded
- Makes an excellent choice for a redundant failover connection as it is completely independent from telco networks.
- Can reach locations where wired services such as ADSL or Fibre are not available, with comparable features and cost.

Service Description

Customers have the option of shared as well as dedicated high speed Internet access primarily for enterprise use. If your small business has outgrown its dial-up connection, you should consider upgrading to a leased connection. This is an ideal solution for businesses, offices as well as high net worth individuals. This service offers you the reliability, support and convenience your business demands.

The **IoStarWireless** service provides a consistent and high quality connection. This service provides you with the maximum amount of Internet bandwidth round the clock for your more demanding Internet applications that need committed bandwidth. It provides your business with a dedicated, 24 x 7 x 365 link to the Internet on our Tier 1 Internet Backbone, as well as to other peering cross-connects within Afghanistan.

With this service, we provision the leased circuit and pre-configure all equipment purchased or provided with the service. Customers can choose to start with 64 or 128Kbps and easily scale up to 256Kbps, 512Kbps, 1Mbps, or even more on the fly.

The service includes a primary and secondary Domain Name Service (DNS), and provides qualified static and routable Public IP addresses as required.

Service Delivery

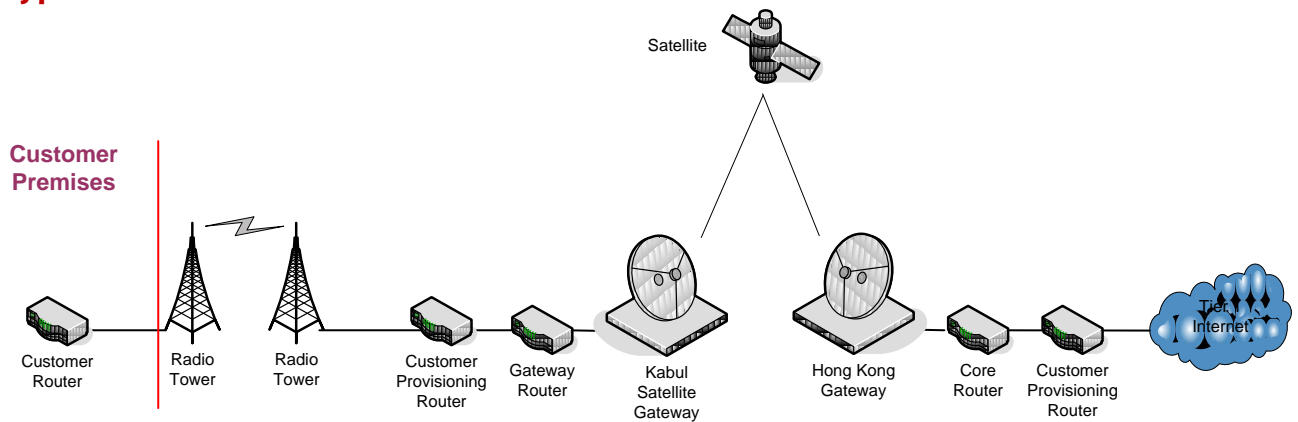
The service is provisioned through a Wireless link last mile. After a site evaluation has determined that the customer location is serviceable, our engineers go to the customer location to begin and complete the installation process.

Registration and Set-up involves turnkey Wireless Radio Link installation, provisioning of all cabling and hardware, set-up support, and procedural assistance in establishing the customer's site on the Internet application to various government agencies for wireless frequency clearances.

Recommended For

The **IoStarWireless** service is highly suitable for Corporate and Enterprise customers in every segment that use mission-critical or time-sensitive applications. It is ideal in case of frequent email usage with large file attachments, transfer video or image files, host a busy Web or FTP site or connect corporate intranets with moderate to high traffic. The service can also be used for hosting a company's E-commerce enabled website. A virtual storefront could be housed on a high performance Web Server.

Typical Wireless Network



Equipment Used

Io Global uses MicroMAX, a family of single mode (802.16d or 802.16e) highly integrated micro-cell base stations with all-in-one outdoor packaging of RF and base-band components. MicroMAXd is an outdoor solution for Fixed Wireless applications with an indoor traffic aggregator. It is a complete standalone base station, sharing the same system architecture as our tried and tested ASWipLL product line.

The MicroMAXd base station is highly modular in design and consists of two main components: the all-outdoor Base Station Radios (BSR) and the indoor aggregator Base Station Distribution Unit (BSDU), or the single channel Data Adaptor. Each base station site can contain up to 16 BSRs, depending on the amount of available spectrum. Each BSR is connected to the BSDU via a 100BaseT interface operating over a CAT5 cable, which carries both data and power. Each BSDU can support up to 8 BSRs.

MicroMAXd is designed to support lower density, rural broadband access, enterprise applications and DSL in-fill scenarios in both licensed (1.5GHz, 3.3GHz, 3.5, 3.7GHz, 4.9GHz) and unlicensed (5.1, 5.4GHz, 5.8GHz, 5.9GHz) bands. One of the key features of the MicroMAX BSR is that it requires less than 28W power, making it ideally suited for those rural deployments where power generation and supply may be a problem. MicroMAXd base stations are managed by Netspan, Airspan's SNMP based element management platform.



SDA-4S



MicroMaxD

Key Features

- Modular & Scalable Architecture
- All Outdoor integrated baseband digital processing, radio and antenna
- Full Duplex FDD & TDD operation
- Advanced Software features
 - Full IEEE 802.16 QoS service classes
 - Full 802.1d transparent bridging
 - IEEE 802.1Q/p VLAN tagging/untagging
 - Bridging and routing functionality

Maintenance

All equipment supplied will have 1-year warranty coverage against defects from the date of delivery acceptance at Kabul.

In addition, Io Global Services (P) Limited will offer ongoing annual maintenance, preventive maintenance contracts to ensure the highest possible network uptime.

Network Integration Services

Io Global can help you with complete network system integration to cover most of your company's requirements from design, installation and maintenance. These can be a large Local Area Network (LAN) of a few hundred connected to a local server and sharing resources like printers, or a large Wide Area Network (WAN) covering geographically dispersed offices with workstations and servers, possibly with links to associated company's networks and databases which may be employing different operating systems.

Using Satellite Connectivity, which can provide Internet tunneling technology to another location, we can link geographically dispersed sites. In case the WAN connectivity is within any city, we can also offer wireless connections depending upon Line of Sight between the various locations. Network software and licenses can also be supplied.

Additionally, Io Global also offers equipment, warehousing, installation, maintenance, network management and technical support services.

Io Global can also help you integrate existing systems / applications and migrate your systems to the next generation which allows your organisation to build and capitalise upon, rather than replace your current systems.