Expedience® Wireless Broadband Solution

Proven wireless broadband access, offering extended coverage, plug and play simplicity, and mobility

MOTOWI4™

Features & Benefits

Further reach, greater speed

Performance is what puts Expedience into a class by itself. With two-watt peak transmitting power, high sensitivity receivers, and a robust OFDM airlink that enables uniform speeds across an entire cell, Expedience networks require significantly less infrastructure to provide indoor non-line-of-sight coverage over a given area than competing systems.

For network operators, that means significantly reduced CAPEX and OPEX expenses, and the ability to bring high speed connectivity to neighborhoods and communities where such services would normally be unfeasible.

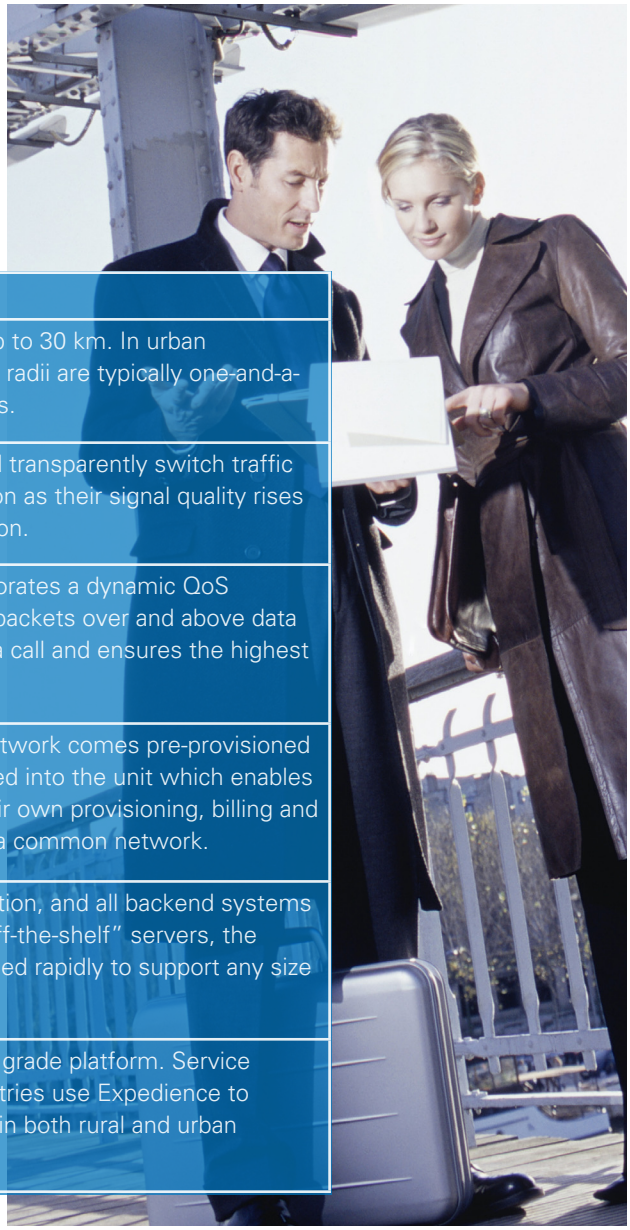
Simplicity & scalability

With plug and play CPEs, a self-contained 11 kg base station that has one of the smallest footprints in the industry, and back office components running on industry standard, off-the-shelf servers, the Expedience system is an example of engineering elegance and simplicity providing network designers with a tremendous amount of flexibility in the way they build, grow, and maintain their networks.

This gives service providers the ability to begin offering service in a matter of weeks instead of months.

A history of performance

For over six years, Expedience networks have been delivering reliable and economical wireless broadband services to customers around the globe. From remote Eskimo villages North of the Arctic Circle, to dense urban metros like Dhaka, Lagos, Mexico City and beyond, the Expedience platform has proven itself to be a highly efficient means of bringing last mile connectivity to urban and rural customers alike.



Benefit	Feature
Extended range	In rural settings, cell radii are up to 30 km. In urban environments, Expedience cell radii are typically one-and-a-half to two-and-a-half kilometers.
Roaming and vehicular speed mobility	Moving CPEs automatically and transparently switch traffic from base station to base station as their signal quality rises or falls due to changes in location.
Flexible QoS for voice and data	The Expedience system incorporates a dynamic QoS algorithm that prioritizes voice packets over and above data packets during the duration of a call and ensures the highest quality of voice service.
Wholesale and retail support	Each CPE on an Expedience network comes pre-provisioned with a unique ISP tag hard coded into the unit which enables service providers to control their own provisioning, billing and subscriber SLAs while sharing a common network.
Flexible and scalable architecture	With an easy to install base station, and all backend systems running on standards based "off-the-shelf" servers, the Expedience system can be scaled rapidly to support any size market.
Deploy today with confidence	Expedience is a mature, carrier grade platform. Service providers in more than 45 countries use Expedience to deliver voice and data services in both rural and urban settings.

System Components

Residential Subscriber Unit

The Expedience Residential Subscriber Unit (RSU) is a compact, Plug & Play wireless modem, which connects to any computer's standard 10 base-T Ethernet port. No software is required on the user's computer to support the operation of the RSU.

PC Card

The PC Card CPE plugs into any laptop equipped with a Cardbus (PCMCIA) slot, and delivers the same high speed service as the Expedience RSU.

Mobile Subscriber Unit

The Expedience Mobile Subscriber unit (MSU) is designed for trunk-mount vehicular mobility applications, and is operable over a temperature range of -40 to +60°C, as well as being hardened for the rough vibration and shock environments required for Public Safety applications.

Outdoor Subscriber Unit

The OSU is recommended for use in applications where a SOHO LAN or an apartment building service distribution LAN is to be connected to the CPE. Its outdoor mounting and ability to be accurately aligned toward the strongest available signal are beneficial for use in fringe areas where reliable service cannot be achieved with the RSU.

Base Station

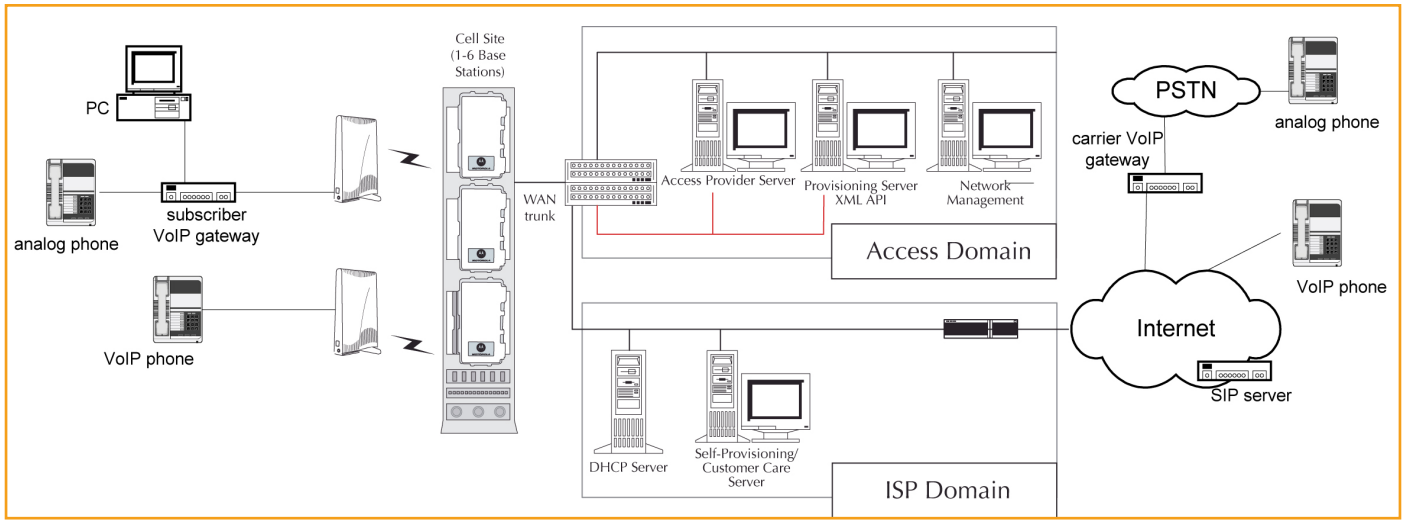
Motorola's Expedience Base Station (BTS) is a weatherproof self-contained unit including all necessary radio, switching, and interfacing equipment to provide service on one RF channel in a sectored or omni-directional cell.

Network Management

The Expedience Network Management System has been designed to completely separate the functions required for the management of the system's network elements from those required to provision and maintain individual subscribers or subscriber VLANs.

System Architecture

The Expedience system's modular hardware and software design allows for easy scalability of network design, and growth of in-service systems with little or no subscriber service disruption. System features include support for industry standard SNMP tools, over-the-air software upgrades for both CPEs and Base Stations, and support for a carrier-of-carriers business model for the sharing of network resources among multiple ISPs. Expedience products are available in in 2.5, 3.3, 3.5, and 3.7 GHz licensed frequency bands worldwide.



Motorola can help customers achieve greater profit through maximum network performance, lower cost of ownership and differentiating applications. We have helped to secure the networks of some of the largest network operators in the world, integrated and optimized hundred of complex multi-vendor systems for over twenty years, and have managed over 100 networks worldwide.

Contact us today to learn more about the Expedience wireless broadband solution.

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