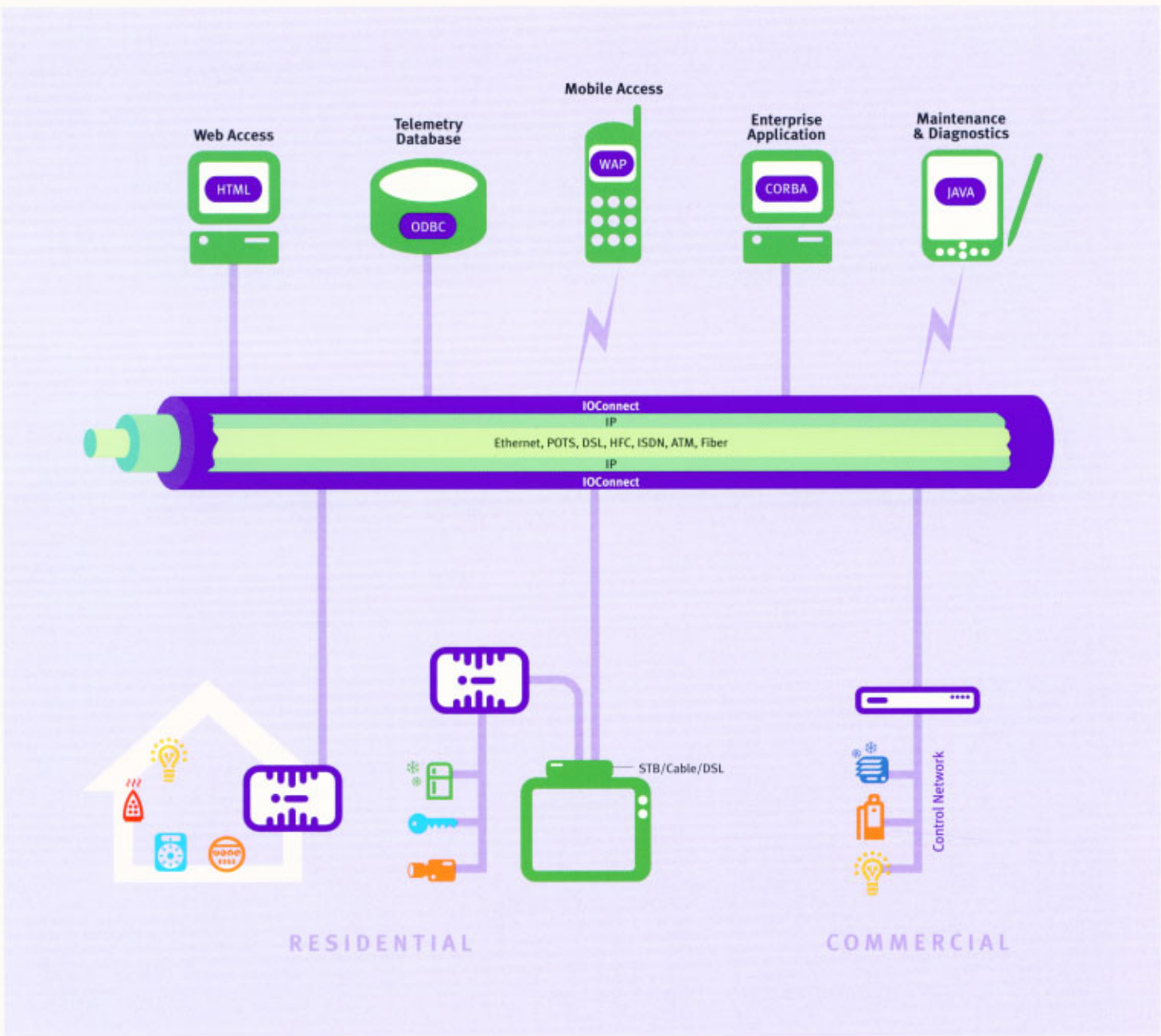
Coactive

IOConnect Architecture™

The Coactive IOConnect Architecture™ is Coactive's end-to-end software framework for connecting control devices to data networks. The IOConnect Architecture has been specifically designed to support and leverage multiple control network and Internet Protocol (IP) technologies, providing unmatched flexibility, scalability, and reduced system costs.

Universal Access to Telemetry Data



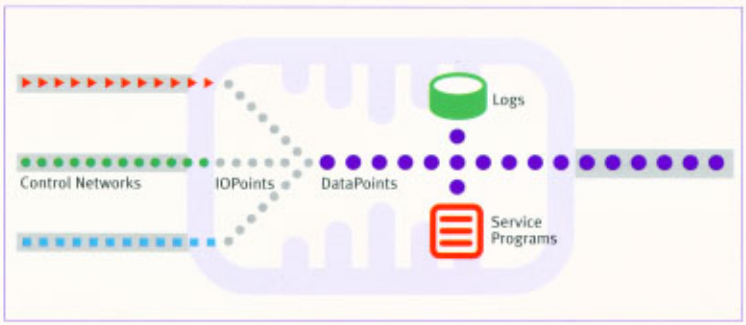
Coactive Division
Broadband Energy Networks

7000 Terminal Square, Upper Darby, PA 19082 * L-S@LightMedia.com
(610) 734-1245* Fax (610) 734-1263 * info@coactive.com * http://www.coactive.com

There are many ways to approach network connectivity to control systems, each with their own benefits and pitfalls. Coactive's IOConnect Architecture is a specific approach distilled from years of experience in the market. The IOConnect Architecture provides an open, flexible, embedded, and distributed solution that extends far beyond a "box" with two network jacks.

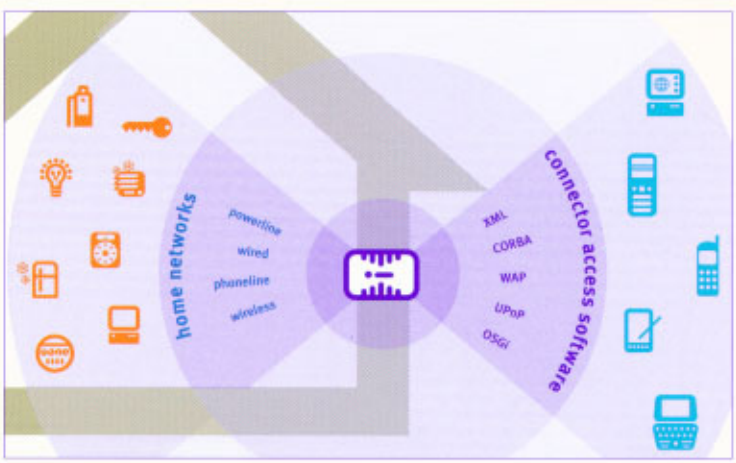
Connecting to the Widest Range of Devices

The IOConnect Architecture abstracts control data in two stages to support virtually any device. Native data is handled via an *IOPoint*, which hides the details of control network communications. These IOPoints are mapped to application-level *DataPoints*, which thus remain independent of the transport and format of the device-level data. The DataPoint is published as a distributed object, allowing it to be used both locally and remotely in logging data, running service programs, and providing real-time monitoring and control. The result is an end-to-end system that can maintain the same service and application software unaltered while mixing and matching devices as required.



A Scalable System Accessible from Any Internet Application

The IOConnect Architecture goes beyond adherence to open standards by delivering the full power of the ubiquitous and dynamic IP infrastructure to telemetry applications. In addition to utilizing the IP transport layer, the IOConnect Architecture embraces Internet standards such as XML, CORBA, Java, and WAP. Coactive's proprietary technology builds upon these standards to provide true universal access to devices such as utility meters, safety sensors, climate control systems, and security devices. By embedding distributed object technology into the networking infrastructure, the IOConnect Architecture allows millions of devices to be integrated into a manageable system that avoids bottlenecks, meets real world requirements, and connects to everything from mainframes to wireless phones.



Coactive Networks. Connecting Networks to the Real World.

Coactive Division
Broadband Energy Networks

7000 Terminal Square, Upper Darby, PA 19082 * L-S@LightMedia.com
(610) 734-1245* Fax (610) 734-1263 * info@coactive.com * http://www.coactive.com