



“wi-fi made simple”

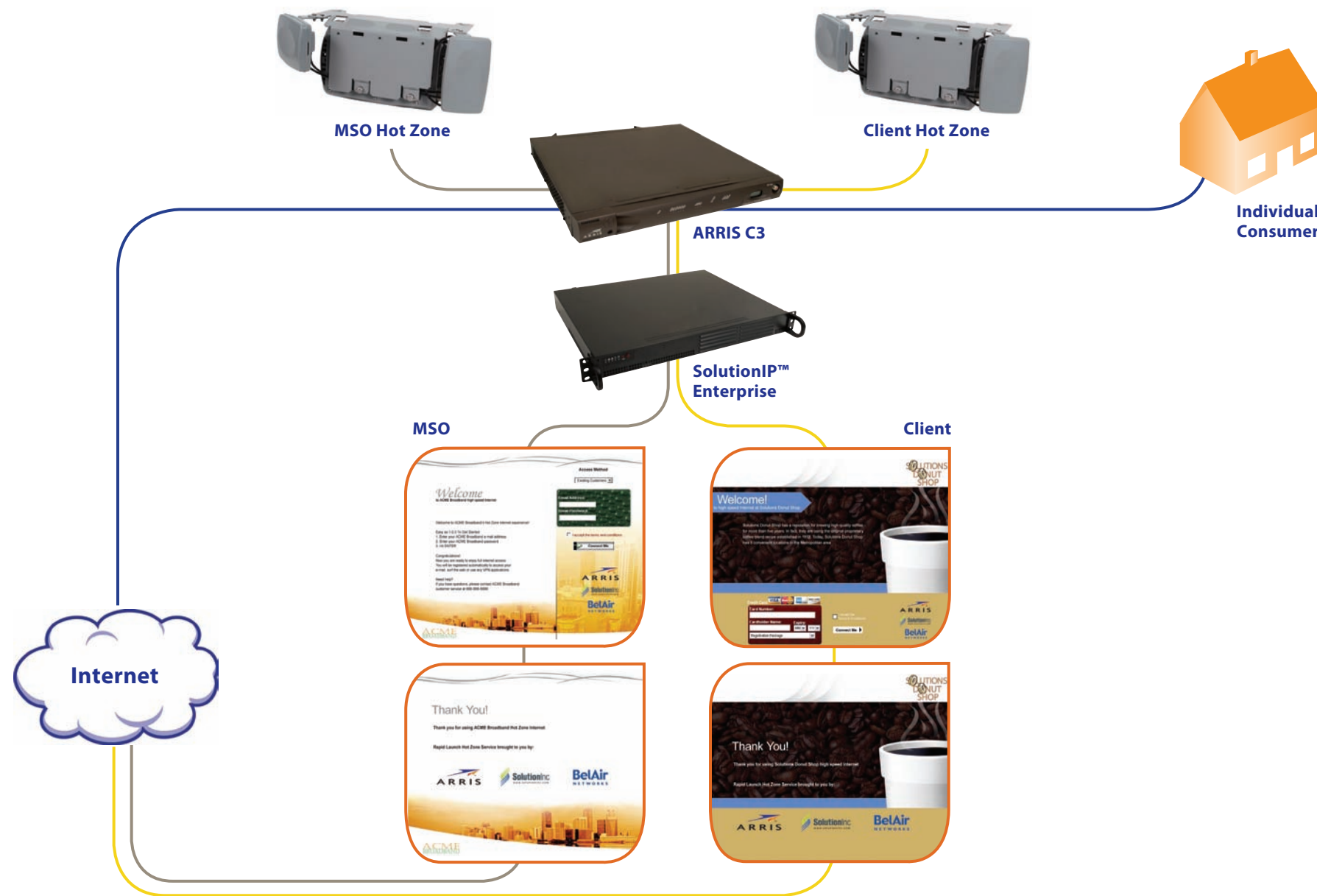
rapid launch

hot zone system™



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Deploys in a Day and Pays Back in as Few as Three Months

Welcome to the new Wi-Fi hot zone management system from ARRIS — a solution that enables MSOs to quickly expand their own Wi-Fi footprints, or sell services to businesses for increased commercial market share.

Rapid Launch provides MSOs with robust capabilities including centralized management that enables operators to manage and bill numerous commercial customers who may have hundreds or thousands of end users. It integrates with third party billing systems, and can accommodate multiple pay-per-use options including credit cards, email accounts, and access codes.

The system enables indoor and outdoor location-specific services, which can consist of one venue or a group of venues under one account. Venues can be managed individually for billing, authentication, bandwidth, messaging, and marketing. Tiered bandwidth service offerings give MSOs the ability to charge premium rates for faster connections, and enhanced marketing features enable providers or their business customers to push specific marketing and advertising content on customized “welcome” and “registration” pages based on their locations, and/or time of day. Additionally, events may be scheduled weeks or months in advance.

Attaches Anywhere You Have Plant

Wireless Access Points can be pole or strand mounted anywhere MSO plant exists, making this an ideal solution for public areas and municipal hot zones. MSOs can also offer managed hot zone solutions to businesses with singular or multiple locations. These hot zones can be branded by the MSO, or by the business using the service. Both MSO and business branded services coexist within the Rapid Launch System without disrupting basic consumer high-speed data traffic running on the network.

Best in Class Technology

The ARRIS Rapid Launch Hot Zone System™ is an integration of technology and components from three companies with unmatched expertise in broadband wireless solutions:

- ▣ **ARRIS** — The base configuration is anchored by a CableLabs® DOCSIS® 2.0 qualified CMTS that offers superior performance for up to 3000 registered cable modems. Additional C3s are not required to operate the Rapid Launch Hot Zone System if the service provider has ample, existing CMTS capacity in place.
- ▣ **SolutionInc Limited** — Provides the patented Enterprise Hot Spot Management System which supports centrally managed hot zone connectivity, authentication, billing, and messaging capabilities.
- ▣ **BelAir Networks** — Offers Wi-Fi access coverage as stand-alone or networked devices.

Flexible and Scalable Platform

This base configuration can accommodate up to 2,500 simultaneous users, 16 SSID, and 8 virtual access points with individual service level configurability. The system allows virtually unlimited scalability by adding radios, enterprise servers, and CMTS capacity.

Strong Hot Zone Market Ripe for MSOs

The global hot spot market continues to grow. According to the iPass Broadband Mobility Index, hot spots in Europe grew by 89% H1 2008 over H1 2007, while North America hot spots grew by 17% during the same period. Business Wi-Fi use in hotels grew by 66%, public Wi-Fi usage more than tripled, Wi-Fi usage in restaurants more than doubled, and locations used by commuters grew by nearly 80%.

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Robust Feature Set... Unparalleled Control and Manageability

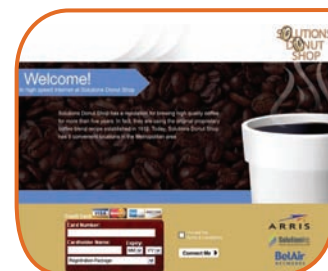
Whether you're deploying your own hot zones, managing client-branded services for your business customers, or both — the ARRIS Rapid Launch Hot Zone System™ enables each venue to have its own level of service.

- ▣ **Centralized Management** — From the headend, the MSO authenticates, bills and manages the hot zone service offering. This centralized control enables the MSO to manage and bill hundreds of commercial customers who may have hundreds or thousands of end users. Global settings enable the administration of system wide configuration, policies and security settings.
- ▣ **Location Specific Services** — Locations can be defined as an individual venue (location) or group of venues. Location specific services include billing and authentication options, tailored bandwidth offerings and targeted messaging and marketing.
- ▣ **Targeted Billing Options** — There are multiple pay per use options, including credit card, email account and access codes. Additionally, SolutionIP™ Enterprise integrates with third party billing systems including cable account bills and a number of property management billing systems.
- ▣ **Targeted Authentication Options** — There are capabilities to present different authentication options based on the location and time of day. Individual venues (or groups of venues) can offer localized authentication options.
- ▣ **Messaging and Marketing** — Enhanced marketing features allow the cable operator and/or the commercial customer to push specific marketing and advertising content to consumers based on their locations. For example, a commercial customer has ability to display a unique welcome page for their chain of coffee shops or car dealership lobbies, with a customized presentation and service offering.
- ▣ **Bandwidth Tailoring** — Bandwidth tailoring and tiered bandwidth service offerings gives the cable operator the option to charge premium rates for faster bandwidth connections.
- ▣ **Network Interoperability** — SolutionIP™ Enterprise supports integration with a wide variety of physical infrastructures and networks. The system supports all common user platforms and is interoperable with ARRIS CMTS equipment and peripheral devices used by cable operators.

Increased Commercial Market Share from Managed Hot Spot Services



MSO Branded Hot Spots



MSO Managed — Client Branded Services

Solutions for Every Application



Parks, stadiums, marinas, bus terminals, airports, rail stations and other public venues



Hotels, coffee shops, restaurants and other gathering places



Business and educational campuses



ARRIS C3™ CMTS — Loads of Performance in a Small Footprint

The DOCSIS® 2.0® Qualified ARRIS C3™ Cable Modem Termination System (CMTS) delivers superior performance for up to 3000 registered cable modems while occupying only one rack unit (1RU) of space (1.75 in). The system utilizes a dual RISC processor architecture for supporting high traffic volume with excellent latency control and ample reserve processing resources. Transmit and receive capacity is scalable with a single system supporting one downstream RF channel via an integrated upconverter and up to six upstream RF channels. The two network interfaces support 10/100/1000 BaseT Ethernet.

Leading Edge Technology

- ▣ **Flexible Upstream Channel Configurations** — With two, four or six physical upstream channels available for the ARRIS C3 CMTS, an operator can tailor the number of upstreams in the system to match the anticipated traffic conditions and node sizes in the network.
- ▣ **Advanced RF Performance** — The ARRIS C3 CMTS includes a fully digital receiver supporting TDMA, ATDMA and SCDMA. This allows operators to use parts of the upstream below 20 MHz that were previously unusable due to noise conditions.
- ▣ **Operator Selectable Layer 2 or Layer 3 Forwarding** — Networks implementing Layer 2 bridging technology can take advantage of the ARRIS C3 Layer 2 mode of operation. Additionally the ARRIS C3 CMTS offers static routing and an optional choice of RIPv2 or OSPFv2 Layer 3 routing protocols.
- ▣ **Bandwidth on Demand** — Boosted data rates for ultra-high-speed applications is a premium service which provides an additional source of revenue for cable operators. This is supported through a PacketCable Multimedia™ (PCMM) interface for Common Open Policy Service (COPS) Dynamic Quality of Service (DQoS) with a Policy Server.
- ▣ **Scalable and Reliable VoIP** — Up to 1,000 voice lines may be provisioned on one ARRIS C3 CMTS. For EMTAs, NCS and SIP are supported using DOCSIS Dynamic Service QoS and PacketCable Multimedia COPS DQoS. For stand-alone MTAs, SIP is supported using Dynamic Polling.
- ▣ **Commercial Services Solutions** — The ARRIS C3 CMTS enables end-to-end VLANs using 802.1Q tagging. Optional downstream broadcast privacy allows each VLAN to operate as a secure and private network for VPN-like service.

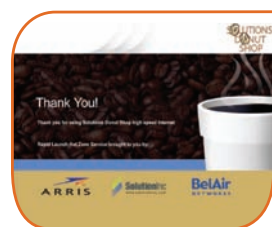


Powered by SolutionInc's SolutionIP™ Enterprise System

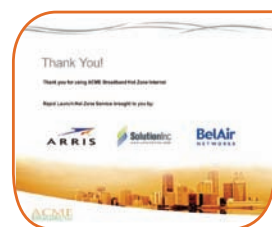
With SolutionIP™ Enterprise, a cable operator can manage an entire region's hot spot and commercial pay per use Internet business. Hundreds of hot spots and up to 2,500 simultaneous users can be centrally managed with this patented system. The engine enables easy and efficient set-up and management of the entire network.

SolutionIP™ Enterprise allows providers to capitalize on the public access and hot spot market. It is a robust and reliable platform with a centralized IP management provisioning and billing engine. The system allows operators to offer hot spot services for free or pay per use.

Location-Specific Services



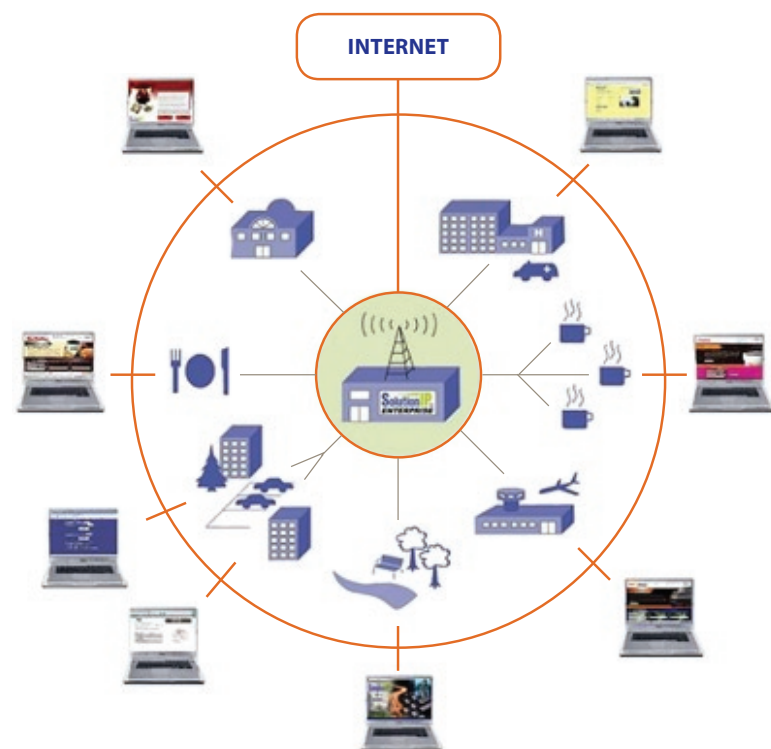
Client Hot Zone



MSO Hot Zone

"Splash pages" unique to each hot zone location enable service providers or their business customers to push specific advertising or marketing content.

Multiple Locations and Services Managed on the Same System



24/7 End User and Technical Support

SolutionInc offers complete end-to-end high speed Internet services — from the planning stages of an installation, to a fully functional production system, to support. A complete menu of services are available including project management, software customizations, training, and network installations and consulting.



BelAir20 Dual-Radio Indoor Access Point



Wireless Access Solutions Designed for Service Providers

BelAir Networks' standards-based wireless mesh solution supports virtually all wireless-enabled client devices (laptops, PDAs, mobile phones, etc.) "out-of-the-box" and provides vehicle-speed client handoff capabilities of less than 100 milliseconds, providing subscribers with seamless and uninterrupted mobility.

It also means the network provides Quality of Service (QoS), including the industry's lowest latency rate, with minimal jitter, to support voice services and bandwidth-intensive applications such as video and multimedia. Better yet, since BelAir is a non-proprietary solution, operators are free to leverage their existing infrastructures without restrictions.

Business Class Performance

- ▣ Self healing network with load balancing
- ▣ Devices can be configured with up to 4 radios
- ▣ Omni directional or directional antennas can be used
- ▣ Up to 16 SSIDs are available and configurable
- ▣ Allows roaming through the mesh without losing authentication
- ▣ Automatic reauthentication
- ▣ Owner can control access to high speed data through the use of a "walled garden"



BelAir100 Wireless Multi-Service Node



BelAir100S Strand Mount



1.888.353.9473 ■ www.arrisi.com ■ www.arrisstore.com