

A World Where Broadband Communication and Entertainment Services can be Consumed Anywhere, Anytime.



Convergence Enabled.



The Cable Show 2010
Booth #639

A World Where Broadband Communication and Entertainment Services can be Consumed Anywhere, Anytime.

Operators today are constantly challenged to improve their business fundamentals. ARRIS helps enable these improvements through a suite of converged solutions that allows operators to lower capital costs, use existing resources more efficiently, offer new services, and expand into new markets.

ARRIS helps reduce capital costs by consolidating diverse network elements in the data center and headend. This convergence allows efficient, dynamic allocation of network capacity in response to customer demand. Improving the efficiency of optical distribution networks also lowers capital costs and helps operators stay competitive and address new markets such as business services.

ARRIS convergence solutions enable operators to maximize fiber capacity through wavelength efficiencies and multiple architecture options. Subscriber satisfaction and churn are directly related to network reliability. ARRIS delivers a



converged suite of network, service and workforce monitoring and management tools that maximize the quality of the customer experience.

Advertising and time-shifted video represent important revenue growth opportunities for operators. ARRIS offers converged video and advanced advertising solutions that enable delivery of content to any device, regardless of where the content is stored and whether the business model is based on subscription, usage, or advertising revenues.

Network operators trust our services and solutions because only ARRIS has a history of technology leadership spanning over 50 years. Always at the forefront in standards development and compliance, ARRIS is a valued provider of service offerings that provide a real return on infrastructure investment.



For more information, visit: www.arris.com www.arrisstore.com 1-866-36-ARRIS

Integrated Broadband Services

The Power to Succeed in a World of Convergence



- Complete solutions for DOCSIS® 3.0: Video, Voice, High Speed Data
- Easily migrate from single services to on demand video and converged services
- Deploy today and ensure capital investment protection tomorrow
- Improve subscriber satisfaction with new services and high availability



Solution Elements

NOC

- ServAssure™ Solutions, WorkAssure™ Solutions, Solution IP™ Authentication Software, Incognito® Provisioning Software

Headend

- C4® CMTS, C4c™ CMTS , D5® Universal Edge QAM

Optical Headend

Optical Distribution Network

Customer Premises

- Touchstone® DOCSIS® 3.0 Cable Modems and E-MTAs

Demand Driven Video

VOD Advertising



- Maximize revenue with video and advertising services from a unified platform
- Maximize VOD ROI with addressability
- Leverage existing infrastructure for cost effective business models with scalable solutions
- Increase the value and variety of ad inventory
- Enable new opportunities with personalized content



Solution Elements

NOC

- ❑ ConvergeMedia™ Management Suite, ARRIS Portal

Headend

- ❑ ConvergeMedia™ XMS Mini, ConvergeMedia™ XMS Solid State Flash Server, ARRIS Encore® Encoder, ARRIS EGT VIPr™ Transcoder, ARRIS EGT VIPr™ Ad Splicer

Optical Headend

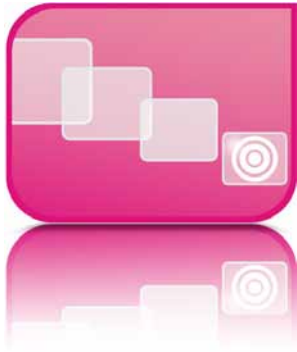
Optical Distribution Network

Customer Premises

- ❑ ARRIS Media Gateway, ARRIS Media Player

Advanced Advertising

Targeted Advertising



- Flexible low cost entry solutions for VOD and Advertising
- Deployments for small-large markets, hospitality and VODIAB markets
- Develop ad revenue and reduce TCO
- Enable personalized and relevant advertising
- Improve accountability and intelligent ad policies

Solution Elements

NOC

- ❑ ConvergeMedia™ Management Suite, ConvergeMedia™ SkyVision Advertising Management

Headend

- ❑ ARRIS EGT VIPr™ Ad Splicer, ConvergeMedia™ XMS Mini, ConvergeMedia™ XMS Solid State Flash Server

Optical Headend

Optical Distribution Network

Customer Premises

- ❑ ARRIS Media Gateway, ARRIS Media Player

Network, Service and Workforce Assurance

Operational Excellence Delivering a Superior Customer Experience



- Ensure installations are done right the 1st time
- Increase technician productivity rates by up to 30%
- Superior customer service processes
- Improve network availability and operational efficiency to reduce CAPEX, OPEX & churn



Solution Elements

NOC

- ☐ ServAssure™ Solutions, WorkAssure™ Solutions

Headend

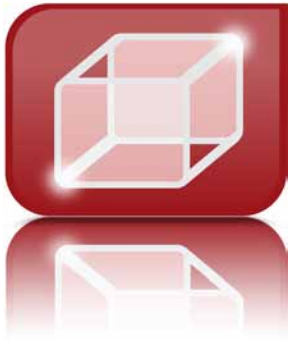
Optical Headend

Optical Distribution Network

Customer Premises

Delivering High Bandwidth Solutions for 3DTV

Introducing 3D Services Using Existing, Proven Network and Subscriber Solutions



- Utilize existing DOCSIS® 3.0 network infrastructure to deploy 3DTV
- Deliver 3DTV programming through the ARRIS Whole Home Solution
- Meet the increased demand for bandwidth created by User Generated Content
- Employ advanced video processing solutions to deliver high quality 3D programming

Solution Elements

NOC

- ❑ ARRIS Encoder and Transcoder Management View

Headend

- ❑ ARRIS Encore® Encoder, ARRIS EGT VIPr™ Transcoder, D5® Universal Edge QAM, C4c™ CMTS

Optical Headend

Optical Distribution Network

Customer Premises

- ❑ ARRIS Media Gateway, ARRIS Media Player

Optimized Solutions for Network Infrastructure

Expect More from Your Network



- Make success-based investments in existing HFC infrastructure
- Enhance and optimize networks with success-based expansion
- Provide more capacity for new targeted services
- Expand capacity on existing fiber infrastructure with multi wavelength solutions

Solution Elements

NOC

- CORView™ Management Software

Headend

Optical Headend

- CORWave™ Multi-Wavelength Optical Network Solutions, CHP Max5000® Converged Headend Chassis, LGX Style Headend Optical Passives, Combiners

Optical Distribution Network

- Splice Closure Optical Splitters, Trans Max™ TM4100 RFoG Repeater, Opti Max™ 4100 Segmentable Node, RFoG ONU, EPON ONU, Regal® Splitter, RF Communication House Amp, Digicon® Connectors

Customer Premises

- RFoG/EPON ONU in NEMA4 Rated Enclosure, Amplifier in Network Interface Device, Cell Tower Business ONU

The Right Solution for IP Video

Anywhere. Anytime. Any device.



- Deploy end-to-end video solutions over converged DOCSIS® 3.0 IP networks
- Incorporate intelligent management techniques for seamless, no fork lift integration w/3rd party VOD Back-office (VBO) and servers
- Add managed CDN software capabilities to VOD back-office in a modular fashion
- Optimize cost/performance with adaptive storage designs
- Deliver superior performance with Flash Media server solutions

Solution Elements

NOC

- ❑ ServAssure™ Solutions, ConvergeMedia™ SkyVision Advertising Management, ARRIS Portal

Headend

- ❑ ConvergeMedia™ Management Suite, ARRIS Encore® Encoder, ARRIS EGT VIPr™ Transcoder, ARRIS EGT VIPr™ Ad Splicer, C4® CMTS

Optical Headend

Optical Distribution Network

Customer Premises

- ❑ ARRIS HEMi™ Edge Encoder, ARRIS Media Gateway, ARRIS Media Player

Complete Voice Communications

Voice Anywhere, Every Time



- Launch voice services more quickly, efficiently and profitably
- Attract new and retain existing subscribers while lowering total cost of ownership
- Deploy intrinsic monitoring and diagnostic capabilities for maximum subscriber satisfaction
- Capture business services opportunities that lead to higher revenues

Solution Elements

NOC

- ServAssure™ Solutions, WorkAssure™ Solutions, Solution IP™ Authentication Software, Incognito® Provisioning Software

Headend

- C4c™ CMTS, C4® CMTS

Optical Headend

Optical Distribution Network

Customer Premises

- Touchstone® E-MTAs, Telephony Installation Accessories (kits, batteries, etc.)

Superior Subscriber Experience

Speed and Reliability to Power the Video Generation



- Highest Quality. Lower Total Cost of Ownership. Improved OPEX.
- A platform for today that delivers capabilities for tomorrow
- Reduce service call times with remote diagnostics
- Deploy DOCSIS® 3.0 today and easily react to customer demand tomorrow

Solution Elements

NOC

- ❑ D5® Universal Edge QAM, ServAssure™ Solutions, WorkAssure™ Solutions

Headend

- ❑ C4c™ CMTS, C4® CMTS, D5® Universal Edge QAM

Optical Headend

- ❑ CHP Max5000® Converged Headend Chassis

Optical Distribution Network

- ❑ Opti Max™ Nodes, RFoG ONU

Customer Premises

- ❑ Touchstone® E-MTAs, Telephony Installation Accessories (kits, batteries, etc.),
ARRIS Media Gateway, ARRIS Media Player

Fixed Mobile Convergence

Maximize Control of Converged Mobile Services and Costs for Improved Profitability and Competitiveness



- ❑ Increase mobile services profitability by off-loading 30% to 40% of mobile voice, SMS, and data traffic to broadband infrastructure
- ❑ Improve customer retention with best-in-class call quality, a rich service set, and seamless roaming
- ❑ Minimize complexity and maximize manageability with a low-risk, highly-integrated, carrier-grade platform



Solution Elements

NOC

- ServAssure™ Solutions, WorkAssure™ Solutions, Fixed Mobile Convergence Management System

Headend

- Fixed Mobile Convergence Mobility Application Server

Optical Headend

Optical Distribution Network

Customer Premises

- Touchstone® Wireless E-MTAs, BelAir 100 Wireless Access Hub

Comprehensive Business Services

Helping Businesses Do More



- Meet and exceed the service and reliability demands of the business community
- Deploy and manage IP-based services over existing infrastructure with confidence
- Offer competitive, cost-effective services to penetrate wider variety of business customers
- Deliver higher speeds and more advanced services with DOCSIS® 3.0



Solution Elements

NOC

- ❑ WorkAssure™ Solutions, Solution IP™ Authentication Software, Incognito® Provisioning Software

Headend

- ❑ C4® CMTS, C4c™ CMTS, WiDOX WiFi DOCSIS®, Redline Wi-Max Backhaul

Optical Headend

Optical Distribution Network

Customer Premises

- ❑ Touchstone® E-MTAs and Small Home Business Gateways, RFoG ONU, EPON ONU, WiDOX WiFi DOCSIS, BelAir Wireless Mesh Infrastructure, Redline Wi-Max Access

ARRIS Whole Home Solution

Personalize Subscribers' Whole Home Experience



- Leverage existing infrastructure and manage transition toward an IP solution
- Delight subscribers and increase ARPU with new services and applications
- Deploy subscriber focused features and services - share, store, manage, and personalize
- Eclipse competition with next generation speed, quality and features



Solution Elements

NOC

- ARRIS Portal

Headend

Optical Headend

Optical Distribution Network

Customer Premises

- ARRIS Media Gateway, ARRIS Media Player

Expert Network Life Cycle Services

Full Service Experience. Delivered.



- Optimize the design, implementation and life cycle performance of operator networks
- Ensure interoperability of disparate equipment and solutions with an experienced team
- Reduce OPEX and minimize labor costs with an on-call team of experienced professionals
- Reduce costs and create efficiencies by leveraging robust distribution and fulfillment services



Solution Elements

NOC/Headend/Optical Headend/Optical Distribution Network/Customer Premises

Planning, Business Analysis & Assessment Services

Business consulting/Process evaluation/Audit of network readiness/Network and financial modeling/Network OSS and application planning/Operation analysis and optimization

Design & Engineering Services

Detailed engineering design (Voice, Video, Data & Wireless)/Network design and drafting (OSP, FTTX, and HFC), Field survey and documentation services/Facility design/Network optimization engineering

Program Management and Implementation Services

Program and project management/Deployments and installation/Solution verification testing/Systems integration/Process deployments/Quality assurance & quality control auditing

Maintenance & Management Services

Long and short term staff augmentation/Network management and monitoring/
Customized training and technical support/Continuous improvements

Advanced Video Processing

Enabling the Multi-Format, Multi-Screen World



- Expand revenue opportunities with quad play video solutions
- Increase service revenues by expanding subscriber experience
- Provide multi-profile video encoding for mobile, PC and TV
- Increase HD capacity 50% to 100%

Solution Elements

NOC

- ARRIS Encoder and Transcoder Management View

Headend

- ARRIS Encore® Encoder, ARRIS EGT VIPr™ Transcoder, ARRIS EGT VIPr™ Ad Splicer, Intelligent Channel Optimizer

Optical Headend

Optical Distribution Network

Customer Premises

- ARRIS HEMi™ Edge Encoder



About ARRIS

ARRIS is a global communications technology company specializing in the design, engineering and supply of technology supporting triple- and quad-play broadband services for residential and business customers around the world. The company supplies broadband operators with the tools and platforms they need to deliver, reliable telephony, demand driven video, next-generation advertising and high-speed data services. ARRIS products expand and help grow network capacity with access and outside plant construction equipment, reliably deliver voice, video and data services and assure optimal service delivery for end customers. Headquartered in Suwanee, Georgia, USA, ARRIS has R&D centers in Suwanee, Chicago, IL, Beaverton OR, Wallingford CT, State College, PA, Waltham, MA, Cork, Ireland and Shenzhen, China, and operates support and sales offices throughout the world. Information about ARRIS products and services can be found at www.arrisi.com.