



Cable Based



Copper Based



Cat5e/6 Based



We can help you deploy High Speed data services on your property,
no matter the interconnection method.

Our network management topology:



Broadband over Cable



Our Broadband Services Router 2000 (BSR 2000) allows property operators to generate incremental revenue, reduce operational cost, and more cost-effectively introduce voice, data, and video services to additional subscribers. This compact, high-performance Cable Modem Termination System (CMTS) is ideal for small or medium-sized distribution hubs or for larger sites in the earlier stages of market penetration of broadband service.

With the BSR 2000, operators can cost-effectively expand service areas while offering rich data, voice, and multimedia services. It offers advanced functionality that allows property operators to efficiently benefit from DOCSIS or EuroDOCSIS 2.0 while simultaneously increasing the performance of the existing base of DOCSIS 1.0 and 1.1 cable modems.

The BSR 2000 offers four upstream ports and includes RFSentry1, which consists of a spare receiver port. Operators can implement sophisticated noise cancellation to meet the DOCSIS specifications so they can generate increased revenues, extend the life of installed modems, and deploy DOCSIS or EuroDOCSIS 2.0 cable modems at the pace that makes the most economic sense.



The compact, 1 RU BSR 2000 can be deployed as a stand-alone unit or in small clusters to cost effectively extend broadband access infrastructure to additional subscribers. This easy-to-use platform helps carriers develop a competitive edge in defining, deploying, and managing broadband services. The BSR 2000 changes the value proposition for small or early-stage broadband access network locations by offering a highly compact CMTS solution that can be installed in minutes to enable the cost-effective delivery of voice, data, and multimedia content and services.

Network Management and Control

The BSR 2000 offers flexible options for efficient administration, management, and control to streamline deployment and operations costs. Various levels of custom-defined access privileges can be granted to administrators for management and troubleshooting. The BSR 2000 supports SNMP v1 and v3. We support all appropriate standard MIBs and offers custom MIBs to monitor and control the BSR 2000's value-added features.

The BSR 2000 also offers a Cisco-compatible CLI for ease of use and interoperability with legacy infrastructure. The CLI supports full scripting capability, and ASCII-formatted command files can be uploaded, downloaded, and executed.



Broadband over Copper



**Do you have copper phone line access to your rooms?
We can help you unlock its true value with our systems.**

Convert your CAT3 cabled property to wireless or wired (or both!) broadband with Accera Group's cost effective VDSL High Speed Internet Access (HSIA) solutions. Deliver the content, services and mobility your guests want.



Clean In-Room Installation

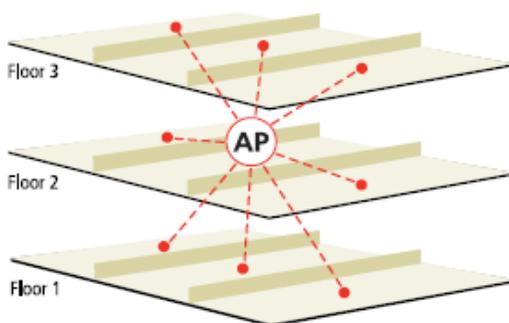
We can deliver some amazing technology in a small package. All in-room electronics are tucked away from guest view. Like the underside of your desks or they can be securely mounted with a security bracket to the wall, with all connections from the wall to the phone in ONE integrated cable, so you can say goodbye to that cluttered, tangled wire mess that's so commonplace with other solutions.

Tri-Mode Interface

Our VDSL product forever changes the way hotel broadband is deployed. Our VDSL Access Ports come configured as a wireless access point, wired-only VDSL converter, or Ethernet client port. Now, you don't have to decide between wired or wireless, because our system lets you do both at a much lower cost than installing two separate networks in your hotel.

Typical Installation

While not all hotel properties are constructed equally, the diagram below depicts what a typical system installation looks like. In this three-floor property, every fourth or fifth room on the second floor is installed with an wireless access point. That room supplies wireless access for the rooms in the immediate vicinity, both next door and one floor up and down.



Features and Benefits

- VDSL transport delivers up to 15 Mbps to each endpoint on the network (to 4,000 ft.), using standard phone wiring (CAT 2/3)
- 802.11g wireless access point provides reliable, manageable wireless service
- Wireless bridge provides convenient interface for users that aren't wireless enabled, or prefer a wired connection because of security concerns
- IEEE 802.11g compliant, up to 54 Mbps
- A djustable RF output
- Supports line power and bandwidth control
- T wo-band QAM modulation

Flexible Network Management Tools

With our systems, you have the ability to dynamically heal your network should an access point lose its link with the network. Instead of your guests being forced to remain connected to an AP that is not on the network, the system can be configured to automatically power down an unlinked AP, so a guest is free to connect to the next closest AP on the network. The result is less hassle for Guests and more trouble-free connections.

We can engineer, install, manage and support any type of network.

We support any type of Cat5, Cable and Cat3 (Telephone Wire) networks.



Broadband over Cat5e/6



HP V1910 Switch Series devices are advanced smart managed fixed-configuration Gigabit Ethernet Layer 2+ switches designed for small businesses looking for key enhanced features in an easy-to-administer solution.

The series has five models: 16-, 24-, and 48-port 10/100/1000 non-PoE models; and two 24-port 10/100/1000 PoE models. All series switches have four additional true Gigabit Ethernet SFP ports for fiber connectivity. All V1910 models support rack mounting or desktop operation and use variable-speed fans for quiet operation. The V1910 switches operate at full wire speed and support QoS traffic prioritization and security features such as 802.1X network login, access control lists, and denial-of-service prevention.

Customizable features include VLANs and link aggregation trunking as well as advanced features such as Layer 3 static routing and Spanning Tree Protocols (STP, RSTP, and MSTP). The V1910 switches come with a 3-year warranty, covering unit, fans, and power supplies.

Customized operation using intuitive Web interface

Layer 3 static routing with 32 routes

Access control lists

Spanning Tree: STP, RSTP, and MSTP

3-year warranty on new equipment.



Features and Benefits

- **Traffic prioritization (IEEE 802.1p)**
- **Class of service (CoS)** — sets the IEEE 802.1p priority tag based on IP address
- **Rate limiting** — sets per-port ingress enforced maximums and per-port, per-queue guaranteed minimums
- **Single IP management** — enables management of up to 32 V1910 devices using a single Web interface
- **Complete session logging** — provides detailed information for problem identification and resolution
- **DHCP options** — client allows automatic setting of IP address
- **Half-/Full-duplex auto-negotiating capability on every port** — doubles the throughput of every port
- **Static IPv4 routing** — provides basic routing (supporting up to 32 static routes); allows manual configuration of routing
- **Secure Sockets Layer (SSL)** — encrypts all HTTP traffic, allowing secure access to the browser-based management GUI in the switch
- **Automatic denial-of-service protection** — monitors for malicious attacks and protects the network by blocking the attacks
- **Automatic VLAN assignment** — automatically assigns users to the appropriate VLAN based on their identity and location and the time of day

eManagement Systems



Professional help desk support and operational excellence

Our highly trained staff is available to support your guests 24 hours a day, seven days a week. Accera Group provides guest support from our Network Operations Center (NOC). Accera's NOC monitors and proactively manages our IP, voice, broadband, and managed services networks. Our Data Center facility ensures vigilance of all managed services. Below are some features and benefits:

- **24x7 Monitoring with alarm supervision, real-time system surveillance, automated escalation, and fault management.**
- **Our proven track record, best practices approach, and broad-based enterprise networking experience, combined with uniquely designed operational processes, technical expertise, and highly qualified software and hardware engineering, fully optimizes the Accera Group network.**
- **Change Management Control for positive control during maintenance, system upgrades, or planned events.**
- **Secure NOC facility with controlled access, redundant power backup, fully diverse climate control, geo-diverse voice redundancy, and disaster recovery site.**
- **Performance metrics and real-time reporting.**
- **Secure NOC facility with controlled access, redundant power backup, fully diverse climate control, geo-diverse voice redundancy, and disaster recovery site.**
- **High network availability exceeds 99.5%.**
- **Low latency with Low packet loss.**
- **Technical support with high first-time resolution of issues.**

Server Manufacturer:



eManagement System Architecture:



Using our management system we also offer solutions with an array of features, such as:

- User Access Codes
- Client to Client Blocking
- Built in firewalls
- Public IP Address support
- P2P traffic blocking
- Tiered HSIA Modes
 - (provide limited Internet access for free while charging for higher speed access)
- HSIA Zones (allows for multiple billings zone)
- Hotel brand-standard login pages
- Support for multiple simultaneous VPN's
- Optional Administration interface
- Optional Parental Controls
- Available PCI Security compatibility
- PMS interfaces
- User usage reports
- 24/7/365 toll-free guest technical support
- 24/7 remote equipment monitoring



Accera Group Corp
9510 W. Sahara Ave, Suite 200
Las Vegas NV 89117
Office: (702) 478-2969
Fax: (702) 478-2970

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