

ViaGate

TECHNOLOGIES

DELIVERING

HDTV...

Video on Demand...

Interactive Gaming...

Digital Broadcast TV...

High Speed Internet Access...

THE DIGITAL WORLD

...over existing phone lines!

*www.viagate.com
1-877-VIAGATE*

The ViaGate Solution

ViaGate Technologies designs, develops, and distributes a scalable, intelligent, *ultra broadband* multimedia access platform for service providers. Our products are designed to deliver integrated solutions such as:

Digital Broadcast TV

Video on Demand

HDTV

Digital Telephony (VoDSL, VoIP)

High Speed Internet Access

T-Commerce

Interactive Gaming

Video Conferencing

ViaGate delivers all of this while maintaining lifeline POTS over the existing copper wire infrastructure. Our product line is ready now and scalable for the future.

We Enable Ultra Broadband Access

ViaGate's field-tested products provide the highest bandwidth available over the existing last mile infrastructure by utilizing Very high-speed Digital Subscriber Line (VDSL) technology. VDSL is the broadband access solution of choice in terms of capacity, performance and economic value.

ViaGate's intelligent VDSL solution represents a major technological advance, and allows service providers to significantly step up the service value chain.

The Technology to Make It Happen

The ViaGate solution uses ultra high bandwidth over existing telephone lines. It enables converged services such as lightning fast Internet access and high performance digital TV, all from a single source. It leads to increased revenue packages and reduced costs for overhead and administration.

The ViaGate solution requires no new infrastructure, and no home rewiring. The solution uses the *existing* fiber and copper infrastructure!

ViaGate's patent-pending switch architecture features fast channel changing, high reliability without congestion, and delivery of up to 600 locally switched digital broadcast TV channels. Its high density modular design (up to 320 lines in the same rack) delivers significant cost savings for installation and maintenance. Its secure infrastructure protects information and precludes content theft.

ViaGate has received UL Approval, both in the US and Canada.

Our solution is ready now

Our solution is future proof

All over existing phone lines!

The Digital World over existing phone lines!

Innovative Products

ViaGate's state of the art system uses existing fiber and copper infrastructure and brings a completely new, fully integrated service offering to the marketplace. ViaGate's platform consists of a powerful and functionally rich multimedia access switch, a family of customer premises equipment, and a comprehensive network management software system. The solution supports a broad range of telecommunications services.

ViaGate 4160 Switch

The ViaGate 4160 Broadband Multimedia Access Switch delivers interactive digital video, high speed data, digital cable TV and integrated telephony. It provides ATM and IP network services to the residential, small office and remote office environments, using unshielded copper telephone wire.



The ViaGate 4160 provides a dramatic performance-to-cost ratio for service providers and ultimately for end users.

Network service providers receive a system that is fully scalable,



requires no new infrastructure, and generates tremendous revenue streams. End users enjoy a remarkable range of services over existing telephone lines.

Tech Highlights

- VDSL to subscribers up to 4000 feet away
- 26 Mbps downstream, 3 Mbps upstream
- 600 digital broadcast TV channels
- 200 MPEG encoded digital video channels
- ATM and IP compatible
- Uninterrupted lifeline telephone service
- Supports OC-3/STM-1 and OC-12/STM-4

ViaJet High Speed Modems

The ViaJet series of products delivers much more than high speed Internet access. It handles video, data and voice services to numerous devices in the customer premises, including multiple TVs, personal computers and telephones. All from a single VDSL line.

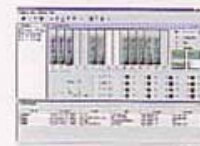
The ViaJet splits the voice and broadband signal into separate video and data streams while supporting additional derived telephone channels and lifeline telephone service over the existing phone line. It communicates with the ViaGate 4160 through the phone line. The ViaJet is compatible with many commercially available IP and ATM Set Top Boxes.



ViaView4000 Element Management System

ViaView is ViaGate's proprietary software, based on standard SNMP (Simple Network Management Protocol) to manage ViaGate 4000 access switches. The ViaView4000 Software provides the following forms of network management:

- Fault and Test
- Configuration and Loop
- Performance
- Security and Access
- Accounting
- Alarm and Threshold
- Remote or Local



ViaView4000 is designed in JAVA to allow easy Web-based and remote management of the system and provides the flexibility to add on additional management features.



Why Intelligent VDSL?

Increase Revenues

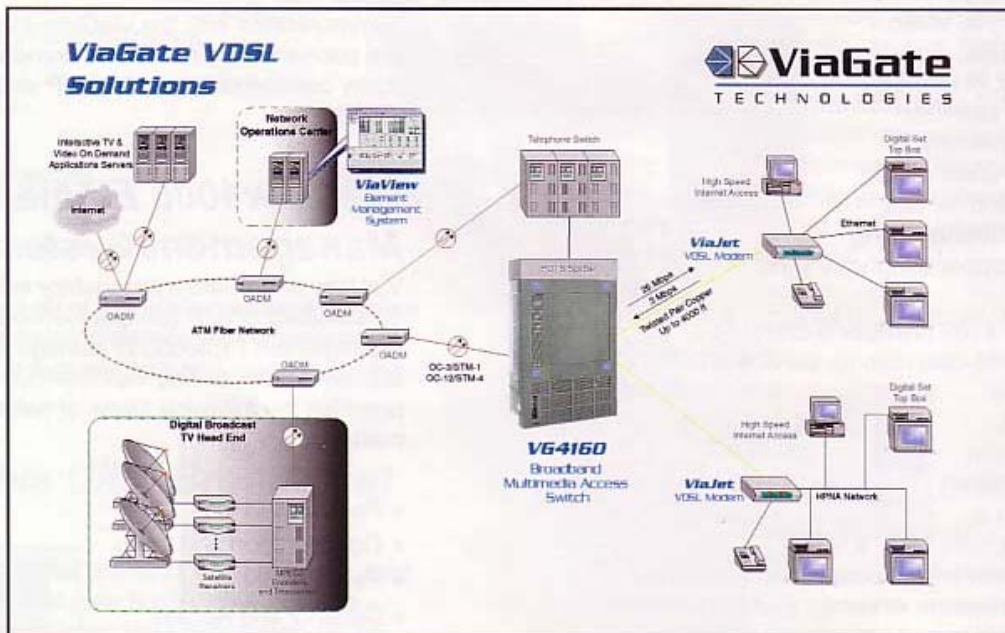
Full suite of customizable multimedia entertainment & data while enhancing current telephony revenue

Improve Profit Margins

Scaleable access solutions utilizing existing infrastructure, minimal new investment, lower operational cost

Meet the Competitive Threat

Protect your customer base with incremental value added services: converged video, high speed internet & telephony over existing copper at up to 26 Mbps!



Why ViaGate?

Modular
Scaleable
Customizable
Standards Based
Patent Pending
Easily Installable

Flexible
Cost Effective
Tested
Non-Proprietary
Compatible
High Capacity



Increases Revenues
Improves Margins
Beats Competition
Enhances Service Offers
Maintains Customer Loyalty
Increases Customer Satisfaction

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