

# Hughes HR4700 Branch Gateway™

Traditionally, enterprises have deployed firewalls with enhanced security features along with independent WAN optimization platforms at their branch locations. Hughes has combined security, routing, and optimization into one easy-to-manage and deploy device that offers dramatic cost savings over multiple box solutions.

The Hughes Branch Gateways—the HR4400 and HR4700—were developed to offer varying performance and feature sets to better meet the diverse needs of the distributed enterprise.

The Hughes HR4700 Branch Gateway delivers best-in-class enterprise-grade security and routing, with innovative broadband optimization technology in one easy-to-deploy unified platform managed by Hughes.

Designed for the unique needs of the distributed enterprise, the HR4700 Branch Gateway delivers advanced threat protection, including next-generation firewall, IDS/IPS, VPN, and Web filtering. Along with robust security, the device transforms best-efforts broadband WANs into enterprise-grade WANs, delivering powerful Quality of Service (QoS) and superior application performance through advanced technology.

## Robust Security

The HR4700 incorporates industry-leading Fortinet security solutions, enabling Hughes to provide next-generation firewall capabilities such as Intrusion Detection/Prevention, application control, and protection from advanced threats and other security technologies such as data leak prevention and vulnerability scanning—all centrally managed by Hughes.

## High Capacity

The HR4700 is capable of supporting high-throughput speeds without compromising its security functions. As a result, remote branches can operate with more security, more control, and more intelligence with unmatched network performance.



## High Application Performance – QoS and Compression

Hughes has integrated its innovative Hughes ActiveQoS™ technology, which provides true end-to-end QoS over cost-effective broadband networks, such as DSL, cable, and fiber into the HR4700 Branch Gateway. This capability, in conjunction with Hughes ActiveCompression™, which combines long-range and short-range compression algorithms for optimum compression gains, enables the HR4700 to deliver superior application performance of business-critical applications in the presence of other noncritical applications.

## Next-Generation Security Features



- Intrusion Detection/Prevention
- Data Leak Prevention – Full Protection
- Vulnerability scanning
- Content/Web filtering
- Advanced antivirus/antimalware
- Log management and reporting

**HughesON™**

*HughesON is a suite of innovative, Cloud-ready network and digital media solutions designed for the unique needs of distributed enterprises in industries such as retail, hospitality, and retail petroleum.*

# HR4700 Branch Gateway

## Broadband Optimization Features

- ActiveQoS:
  - Supports real-time traffic, such as voice and video
  - Improves response time up to 5x for mix of traffic
  - Supports RDP/Citrix applications
  - Supports split tunnel configurations for Guest/Enterprise WiFi
  - Learns and scales with the network
- ActiveCompression delivers:
  - Up to 20 to 50 times more virtual throughput, depending upon traffic
  - Faster application response times
- Smart classification adapts as applications are added, classifying IP flows for better performance
- TCP optimization against packet loss

Description	HR4700 Branch Gateway
Total Ethernet Interfaces (Fully Configurable)	2 x 10/100/1000 (RJ45) WAN 7 x 10/100/1000 (RJ45) LAN 1 x 10/100/1000 (RJ45) DMZ
Wi-Fi Option	Yes, (802.11a/b/g/n)
Stateful Firewall Performance	1.5 Gbps
IPSec Site-to-Site VPN Performance	1 Gbps
IPS Throughput	200 Mbps
AntiVirus Throughput (Proxy/Flow)	35/50 Mbps
Certifications	ICSA Labs: Firewall, IPSec, IPS, Antivirus, SSL VPN
Compliance	FCC Part 15 Class B, C-Tick, VCCI, CE, UL/cUL, CB

## Enterprise-Class Protection and Performance

- Delivered as a fully-managed solution, ideal for distributed enterprises, such as retail, restaurant, gas stations, hospitality, and banking.
- Combines industry-leading Fortinet security with Hughes patent-pending WAN Optimization technologies (ActiveQoS and ActiveCompression) into one cost-effective device.
- Runs on FortiOS 5 security operating system to guard against advanced threats.
- RISC-based CPU Powered by FortiASIC SOC2 for unmatched hardware performance.
- Incorporates next-generation firewall functions, including content filtering and IDS/IPS.
- Simplifies PCI compliance rollouts without sacrificing performance, including advanced data leak prevention capability.
- Multiport interfaces and optional dual-band WLAN connectivity enables flexible deployments.
- Ability to partition management between Hughes and enterprise IT. IT can retain control of strategic functions.

**For additional information,  
please call 1-888-440-7126  
or visit [business.hughes.com](http://business.hughes.com).**

## About Hughes

Hughes Network Systems, LLC (HUGHES) is the global leader in broadband satellite technology and services for home and office. Its flagship high-speed satellite Internet service is HughesNet®, the world's largest satellite network with over 1.3 million residential and business customers across the Americas. For large enterprises and governments, the company's HughesON™ managed network services provide complete connectivity solutions employing an optimized mix of satellite and terrestrial technologies. The JUPITER™ System is the world's most widely deployed High-Throughput Satellite (HTS) platform, operating on more than 20 satellites by leading service providers, delivering a wide range of broadband enterprise, mobility and cellular backhaul applications. To date, Hughes has shipped over 7 million terminals to customers in over 100 countries, representing approximately 50 percent market share, and its technology is powering broadband services to aircraft around the world.

Headquartered outside Washington, D.C., in Germantown, Maryland, USA, Hughes operates sales and support offices worldwide, and is a wholly owned subsidiary of EchoStar® Corporation (NASDAQ: SATS), a premier global provider of satellite operations. For additional information about Hughes, please visit [www.hughes.com](http://www.hughes.com) and follow @Hughes\_Corp on Twitter.



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