



## Hughes HR4700 Branch Gateway™ —Ideal for multi-branch organizations



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, 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.

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.

### Robust Security

The Branch Gateway incorporates industry leading Fortinet Security Solutions. This gives Hughes the ability to enable next-generation firewall capabilities, including Data Leak Prevention, vulnerability scanning, Intrusion Prevention and more—all centrally managed by Hughes.

### High Capacity

The Branch Gateway is capable of supporting higher 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. This capability, in tandem with Hughes ActiveCompression™, which combines long-range and short-range compression algorithms for optimum compression gains, allows the HR4700 Branch Gateway to deliver superior application performance of business critical applications in the presence of other non-critical applications.



Hughes Network Systems, LLC (HUGHES) is the global leader in providing broadband satellite networks and services to enterprises, governments, and consumers. Its broadband satellite products are based on global standards approved by the TIA, ETSI, and ITU standards organizations, including IPoS/DVB-S2, RSM-A, and GMR-1. Now combined with landline and wireless platforms and single-source management, Hughes Managed Services takes networking to the highest level and empowers organizations to achieve seamless connectivity, extend their reach, and expand their competitive horizons. 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 and digital TV solutions.

### Next Generation Security Features



- Intrusion Prevention
- Data Leak Prevention
- Vulnerability Scanning
- Content/Web Filtering
- Anti-Virus/Anti-Malware
- Log Management and Reporting

### Broadband Optimization Features



- ActiveQoS:
  - Supports real-time traffic such as voice and video
  - Supports RDP/Citrix applications
  - Split tunnel configurations
  - Learns and scales with the network
- ActiveCompression delivers:
  - 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

### Enterprise-class Protection and Performance

- Delivered as 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.
- Incorporates next-generation firewall functions including content filtering and IPS.
- Simplifies PCI compliance rollouts without sacrificing performance, including advanced data leak prevention capability.
- Multi-port interfaces and optional dual-band WLAN connectivity enables flexible deployments.
- USB port for 3G/4G backup using optional USB modem.

### Specifications

Description	HR4700 Branch Gateway
WAN	2 x 10/100/1000 (RJ45)
LAN	7 x 10/100/1000 (RJ45)
USB	1 (optional USB modem for 3G/4G backup)
Wi-Fi Option	Yes, (801.11a/b/g/n)
Stateful Firewall Performance	1 Gbps
IPSec Site to Site VPN Performance	200 Mbps
Security Performance	25 Mbps
Certifications	ICSA Labs: Firewall, IPSec, IPS, Antivirus, SSL VPN
Compliance	FCC Part 15 Class B, C-Tick, VCCI, CE, UL/cUL, CB

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