BR100 Router
Branch Router with built-in 802.11n

"Work anywhere" mobility meets enterprise routing and security in a compact device. With HiveOS Routing at its core, the BR100 includes IPsec VPN, user-based access control, and fully stateful firewall policies, as well as additional security and RF networking features at no extra cost; all without the need for a centralized or dedicated controller. Combining these award-winning capabilities with cloud-based services allows the BR100 to meet your budgetary requirements and blow past your remote workers' expectations.

Key Features and Benefits

Layer 3 IPSec VPN and Flow-based Stateful Firewall

By using device-based IPSec VPN, HiveOS Routing features on every BR100, allows a remote users to access corporate resources via authenticated devices without the hassle of installing configuring or maintaining additional VPN software. In addition, an advanced flow-based stateful firewall enforces policy on a per data flow basis allowing the Aerohive device to manage traffic via a combination of user identity and very granular mobile device type. A user can now be granted secure access to corporate resources based on both who they are and on the type of device that they are using, providing an invaluable additional level of security regardless of the users' location.

Wired/Wireless Access and Control

The BR100 includes 5 Ethernet switch ports, a single 802.11 b/g/n radio, a USB port for 3G/4G WAN backup, and a power adaptor. Since HiveManager manages the device's identity, the security and network access policy is the same regardless of whether the clients are connecting via wireless or wired ports.

Cloud Proxy

Cloud-based security services ensure that branch office communications are "clean" without requiring that IT run additional security appliances at every branch office or configure web proxy information on every end user's device. Since most of the traffic generated at branch or remote locations is destined for the Internet, Aerohive's patent-pending Cloud Proxy automatically diverts that traffic through a cloud-based web security service, vastly reducing bandwidth costs by eliminating the need to route branch, remote office or mobile-user traffic back to a central location for filtering.

Access That Grows With Your Business

As businesses grow so do the number of branches. The BR100 runs the same HiveOS that runs on all our products, which means that as your branches grow the BR100 can leverage Aerohive's Cooperative Control Architecture and mesh functionality to add wireless coverage to the branch locations as well. Simply install an additional HiveAP access point and the BR100 will form a wireless mesh connection with it. Within minutes your new access point will download your security polices and your secure wireless coverage will be expanded. For more, visit www.aerohive.com/products.

Warranty and Support

Every Aerohive Networks device is backed by a limited lifetime hardware warranty. Extended product and technical support may be purchased separately and can include next day advanced replacement, 24x7 or 8x5 technical support, web and email support access, and software updates. For complete support terms go to www.aerohive.com/support.

Contact us today to learn how your organization can benefit from Aerohive networking solutions.

The **Aerohive Networks BR100** router marries 802.11n performance, enterprise security, and advanced wired/wireless management with cloud computing to deliver a zero-touch branch network deployment.

Product Specifications

Mounting
- Desktop
- Keyhole Wall Mounts

Wi-Fi
- 1x1 Single Band 802.11b/g/n

Data Rates
- 802.11b: 1,2,5.5 and 11Mbps
- 802.11g: 6,9,12,18,24,36,48, and 54 Mbps
- 802.11n (HT20/HT40): MCS0 -MCS7

Frequency Band
- 2412MHz - 2472MHz Frequency Band

Modulation
- BPSK, QPSK, 16QAM, 64QAM, DQPSK and CCK

Encryption
- WEP, AES and TKIP

Antennas
- 2x embedded antenna with diversity function

Interfaces
- 1x IEEE 802.3 (10BASE-T) and IEEE 802.3u(100BASE-TX) Compliant 10/100 Mbps RJ45 Fast Ethernet WAN Port
- 4x IEEE 802.3(10Base-T) and IEEE802.3u(100BASE-TX) Compliant 10/100Mbps RJ45 LAN Ports with auto-sensing and auto-MDI/MDI-X. IEEE 802.3x PAUSE frame flow control in full duplex
- 1x Type-A USB2.0 port backward compatible with USB1.1
- 1x Reset button to reset (on press) and load factory default settings (when pressed for more than 5 seconds)

Modem Support
- US/NAM Modules
  - Sierra Wireless 313U
  - Sierra Wireless 308U
  - Pantech UML 290
  - Novatel 551L
  - AT&T Beam AC340U
  - Verizon Pantech UML295
  - Sprint AC341U
  - T-Mobile Jet 3.0 ZTE MF683
  - C-Spire Franklin U772
- International Modems
  - Sierra Wireless 310U
  - Sierra Wireless 312U
  - Sierra Wireless 319U
  - Sierra Wireless 320U
  - Sierra Wireless 326U
  - Huawei E220
  - Huawei E1752
  - Huawei UMG366

LEDs
- Power/Status • WAN Port • LAN Ports (1-4)

Physical
- 5.3" W x 1.2" H x 4.3" D
- Weight: 6.3 oz (178g)

Security
- 1 Kensington Lock Connector

Environmental
- Operating: 0 to +40°C, Storage: -20 to +70°C
- Humidity: 5 to 95% RH (non-condensing)

MTBF
- >200,000 hours based on Telecordia SR-332, Issue 2 at +25°C ambient temperature

Power
- DC 12V/1A Input

Rate	TX Power (dBm)	RX Sensitvity
Legacy Mode		
1 Mbps	18	-95
11 Mbps	18	-88
6 Mbps	18	-93
54 Mbps	18	-76
HT20 Mode		
MCS0	18	-92
MCS7	14	-72
HT40 Mode		
MCS0	16	-88
MCS7	15	-69

Features & Benefits

Cooperative Control Software
- Supports HiveOS 5.0r1 and later releases
- Automatic Mesh with Aerohive APs
- User identity and device type (network MDM controlled access to networks

Flexible Hardware Platform
- Single 802.11b/g/n radio
- Automatic or dedicated mesh backup

Security
- Wireless privacy & authentication Wi-Fi CERTIFIED™ WPA™ and WPA2™, 802.11i, WEP, 802.1x, PSK , PPSK
- Granular user profile-based management defines QoS, mobility policies, and security policies for each user and device type that enters the network
- Wired authentication including 802.1X, MAC authentication, and Captive Web Portal support
- Encryption: AES:CCMP, TKIP, and RC4 (WEP only)
- Marking and policing–WMM™ (802.11e) for wireless, 802.1p and/or DiffServ
- Priority queuing for Voice packets on wired interfaces
- Wi-Fi CERTIFIED WMM
- WMM power save (U-APSD)
- Device registration codes for secure, zero-touch auto-configuration
- Dual WAN Redundancy (USB and Ethernet)
- Policy-based Route load balancing with active-active WAN support
- Ability to operate in AP or Router mode

Features	Platforms		
General	**BR100**	**BR200**	**BR200-WP**
Recommended Users	1 to 10	1 to 50	10 to 50
FW Mbps	50 Mbps	200 Mbps	200 Mbps
VPN Mbps	10 Mbps	100 Mbps	100 Mbps
Radio	1 1x1 11bgn	None	1 3x3:3 11abgn
Interfaces	5x 10/100	5x 10/100/1000	5x 10/100/1000
Managed PoE	None	None	2 PoE PSE
SNMP	None	Yes	Yes
USB WAN as Primary	Yes	Yes	Yes
SSIDs	4	0	16
Networks	4	16	16
User Profiles	32	64	64
Wi-Fi			
Wi-Fi Client Max Mbps	135 Mbps	N/A	450 Mbps
Spectrum Analysis	No	N/A	Yes
Wi-Fi as WAN	No	N/A	Yes
WIPS	Basic Rogue	N/A	Yes
WPA2-PSK	Yes	N/A	Yes
WPA2-802.1X	Yes	Wired Only	Yes
PPSK SSID Support	Yes	N/A	Yes
Security and Management			
RADIUS Server/Proxy	external only	Yes	Yes
AD Integration	external only	Yes	Yes
PPSK Server	Yes	No	Yes
Cloud Proxy (Barracuda, Websense)	1 to 2 users/10 sessions	1 to 10 users/100 sessions	1 to 10 users/100 sessions
OpenDNS	No	Yes	Yes
Voice			
Voice QoS	Yes	Yes	Yes
Access Port Based Voice	Yes	Yes	Yes
Trunk Port Based Voice	No	Yes	Yes

SKU	Description
Aerohive Branch Router	
AH-BR-100-N-FCC	BR100, 4xFE, 1xWAN, 1 radio 802.11b/g/n, FCC regulatory domain, with power supply
AH-BR-100-N-W	BR100, 4xFE, 1xWAN, 1 radio 802.11b/g/n, configurable regulatory domain, with power supply
AH-BR-100-N-FCC-20PK	Quantity 20: BR100, 4xFE, 1xWAN, 1 radio 802.11b/g/n, FCC regulatory domain, with power supply
AH-BR-100-N-W-20PK	Quantity 20: BR100, 4xFE, 1xWAN, 1 radio 802.11b/g/n, configurable regulatory domain, with power supply
BR Accessories	
AH-ACC-PWR-12W-US	12W power supply and US power plug for BR100
AH-ACC-PWR-12W-EU	12W power supply and EU power plug for BR100
AH-ACC-PWR-12W-UK	12W power supply and UK power plug for BR100
AH-ACC-PWR-12W-AU	12W power supply and AU power plug for BR100