Aerohive
NETWORKS

The **Aerohive BR200-LTE-VZ** Router provides retail locations and branch offices with a cost-effective, enterprise-grade Wi-Fi, Router, Switch, and Firewall with embedded Verizon 4G LTE capabilities, all with cloud management.

WiFi CERTIFIED ®

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verizon
Partner Program–Gold

BR200-LTE-VZ Router
Secure Enterprise Wi-Fi Router, Switch, and Firewall with embedded Verizon© LTE

By combining secure routing and enterprise-class Wi-Fi in a single platform, the BR200-LTE-VZ provides essential networking and management capabilities to connect, secure, and manage retail locations and branch offices. In addition, the BR200-LTE-VZ delivers an embedded Verizon 4G LTE module for primary or backup WAN connectivity; just add a SIM card and go. With the deep, feature-rich HiveOS Routing at its core, fast roaming, user-based access control, fully stateful firewall policies, and additional security and RF networking features are all included without the need for a centralized or dedicated controller. Combining these award-winning capabilities with cloud-based services and the Verizon network provide the BR200-LTE-VZ the unique flexibility and ease of use to drastically reduce time-to-operation of large-scale retail store and branch office rollouts.

Key Features and Benefits

Secure Guest Wi-Fi with Personal Engagement

The BR200-LTE-VZ router is an ideal solution to provide secure guest Wi-Fi Internet access for visitors, contractors, or customers that come to a retail store or company's facility. Access for guests can be separated from corporate traffic and assigned to a different network, quality of service (QoS), time-of-day access schedules, firewall policies, and web security settings with the BR200-LTE-VZ router. When paired with an Aerohive access point, it uniquely enables fast deployment of Aerohive's Personal Engagement Platform to enable retailers to know and engage their customers with loyalty applications and customer insights previously unavailable to them.

Infinitely Expandable

The BR200-LTE-VZ router easily combines with Aerohive Access Points to create a scalable and easily managed branch office solution. Aerohive APs can be connected to the BR200-LTE-VZ via Ethernet or by using the integrated, automatic wireless mesh functionality in HiveOS. A single unified policy dictates how and when users can connect via Ethernet or wireless – ensuring security regardless of how or where they connect from.

Flexible and Secure Connectivity

The Aerohive Layer 3 IPSec VPN solution connects remote offices easily and securely to corporate resources. With built-in identity-based access control, network-based mobile device management, and simplified client health statistics, the BR200-LTE-VZ router can make edge-based forwarding decisions based on identity and device type, securing access to the corporate LAN while providing connectivity with management and visibility for any remote office deployment.

Enterprise Class Wi-Fi Security

The BR200-LTE-VZ supports integrated spectrum analysis and WIPS with no additional licensing fees. This gives a centralized administrator the ability to see any potential Wi-Fi interference or help do expansion planning, and ensures the access available at the branch locations remains secure and compliant with applicable standards.

Unified Network Management

The BR200-LTE-VZ includes 5 Gigabit Ethernet switch ports, a single 802.11n radio, an embedded Verizon 4G LTE module for WAN connectivity, and is powered only via a power adaptor. It also includes up to 2 Power over Ethernet (PoE) ports to extend power to any devices requiring 15.4 watts or less to operate. Since HiveManager can manage the devices from the cloud, a central administrator can control port, power, and wireless access remotely regardless of where the BR200-LTE-VZ routers are physically located.

Product Specifications

Mounting
- Desktop
- Keyhole Wall Mounts

Wi-Fi
- Single radio 3x3 3 stream 802.11a/b/g/n
- Modulation
  – BPSK, QPSK, 16QAM, 64QAM, DQPSK and CCK
- Encryption
  – WEP, AES and TKIP
- Antennas
  – 3 embedded antenna with diversity function

Interfaces
- IEEE 802.3ab(1000BASE-T), 802.3u(100BASE-TX), 802.3(10BASE-T) compliant
  – 1 x 10/100/1000Mbps Half/Full duplex WAN ports
  – 4 x 10/100/1000Mbps Half/Full duplex LAN ports
    » 2 PoE ports with total of 30.8W power budget, supporting 2 IEEE 802.3af standards based PoE ports or other combinations
- 1 Type-A USB 2.0 port backward compatible with USB1.1 (future support)
- 1 Reset button to reset (on press) and load factory default settings (when pressed for more than 5 seconds)
- 1 RJ45 console port
- 1 2FF Mini-SIM slot

Verizon 4G LTE Module
- Novatel E362 Embedded Module
  – Technology Bands
    » LTE 700 MHz (B13) (with MIMO)
    » CDMA 850/1900MHz
  – Data Speeds
    » 100 Mbps Download
    » 50 Mbps Upload
  – 2 x 2 MIMO

Physical
- 8.25" W x 1.13" H x 7.13" D
- Weight: 1 lb 10 oz (737g)

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

Activation
- Activating the embedded LTE modem for use on Verizon's network can be accomplished by the following methods:
  – Contact your Aerohive sales representative for information on Aerohive channel partners that are authorized to resell Verizon Wireless products and services
    » Simply email verizon@aerohive.com to get connected
  – Contact your Verizon Wireless account representative to purchase a data plan
    » You can locate your Verizon account manager at: https://www.findmyrep.vzw.com
    » Provide the Verizon representative the IMEI number and serial number located on the package and back of the device
    » The Verizon Wireless representative will assist with the data plan selection and the SIM card activation
  – Contact an authorized Verizon Wireless partner to purchase a data plan
    » Information on companies authorized to resell Verizon Wireless products and services is available at: https://solutionfinder.verizonwireless.com
- Approved only for activation on the Verizon Wireless Network

Power
- DC 48V/1.25A, 60W

Physical Security
- 1 Kensington lock connector

Other Features
- Full Trusted Computing Group (TCG) Trusted Platform Module (TPM)
- Dedicated Hardware-accelerated SHA-1 Engine

Features & Benefits

Cooperative Control Software
- Supports HiveOS 6.1r6 and later releases
- Automatic Mesh with Aerohive APs
- User identity and device type (network MDM controlled access to networks)
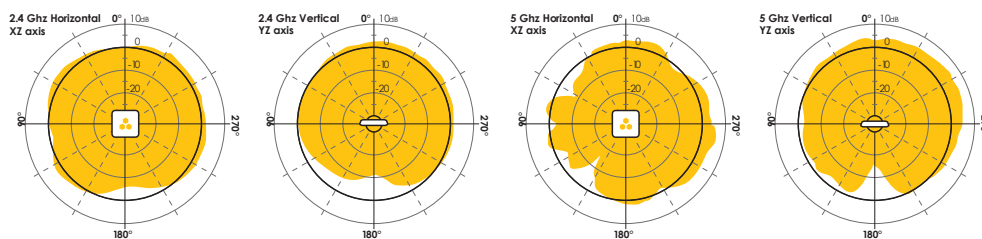
Flexible Hardware Platform
- Single 802.11a/b/g/n radio

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 (LTE and Ethernet)
- Policy-based Route load balancing with active-active WAN support
- Wireless Intrusion Prevention System scanning on both bands including DFS channels

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

2.4 Ghz Horizontal XZ axis

2.4 Ghz Vertical YZ axis

5 Ghz Horizontal XZ axis

5 Ghz Vertical YZ axis

SKU	Description
Aerohive Branch Router	
AH-BR-200LTE-VZ-N-FC	BR200-LTE-VZ, 5xGigabit LAN/WAN, 2 PoE PSE Ports, Dual band 3x3:3 Single 802.11a/b/g/n radio, Verizon 4G LTE module, FCC regulatory domain, with US power supply
BR Accessories	
AH-ACC-PWR-60W-US	60W power supply and US power plug for BR200 series
AH-ACC-PWR-60W-EU	60W power supply and EU power plug for BR200 series
AH-ACC-PWR-60W-UK	60W power supply and UK power plug for BR200 series
AH-ACC-PWR-60W-AU	60W power supply and AU power plug for BR200 series