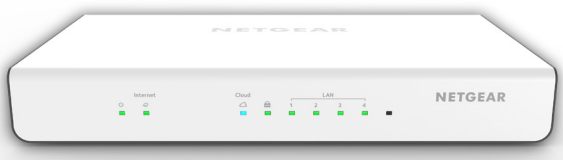
NETGEAR®

Insight Instant VPN Router

Data Sheet

BR500



Insight Instant VPN Router

The NETGEAR® Insight™ Instant VPN Router, a business-class router with Instant VPN technology, is not only a high performance router for small to medium-size businesses, but also offers a Stateful Packet Inspection (SPI) firewall. Additionally, state-of-the-art Instant Virtual Private Network (VPN) technology provides remote access and office-to-office connectivity with simple configuration.

Configure and setup remote connections to your office, or even better connect to up to three locations using the Instant VPN router – just a few taps away from your phone or from the web portal of the Insight manager.

The VPN connections are encrypted to offer a secure link between your laptop and your office whether you're on the road, at a coffee shop, or in another country. The same is true for site-to-site connections, when you decide to connect your home, office, or several other locations that need to be interconnected.

NETGEAR Insight offers visibility and access to all features from routing to VPN. Setup, configure, manage and monitor all from a single pane of glass.

Highlights

Easy and Secure

The NETGEAR Insight Instant VPN router provides both secure yet easy site-to-site tunnels and secure access for remote clients. Never before has connecting to your office been as easy as "tap and go". Once you connect and onboard your Instant VPN router using either the Insight app or the web portal, you are able to use the Insight mobile app or the laptop client to quickly, easily and securely connect to your office from anywhere in the world and continue working as if you were in the office with full access to all the resources and assets that you have in your office.

Resourceful

NETGEAR Insight Instant VPN router works perfectly with ISP modems, including cable or DSL broadband connections. Gigabit LAN/WAN ports keep your data moving at top speed. With Network Address Translation (NAT) routing and classical routing, all the users in your office can access your broadband connection at the same time. VLAN support allows for guest networks and better network segmentation and IPv6 support will enable you to future proof your network.

Flexible

You can start with one or two Instant VPN routers and as your business grows and your needs increase, you can add more devices to your VPN groups (up to 3 Instant VPN routers) to have a complete meshed network between 3 locations. A VPN group consisting of a single Instant VPN router can handle 10 remote users[1] and each additional Instant VPN router can offer up to 10 additional remote users.

Business Grade

The rugged metal unit houses advanced, high-quality electronics, and is backed by the industry-best-in-class 5-Year Hardware Warranty, 90 Day Free Technical Support and 5-Year Next Business Day Replacement.

[1] Requires Insight Instant VPN subscription

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Target Applications

Remote VPN

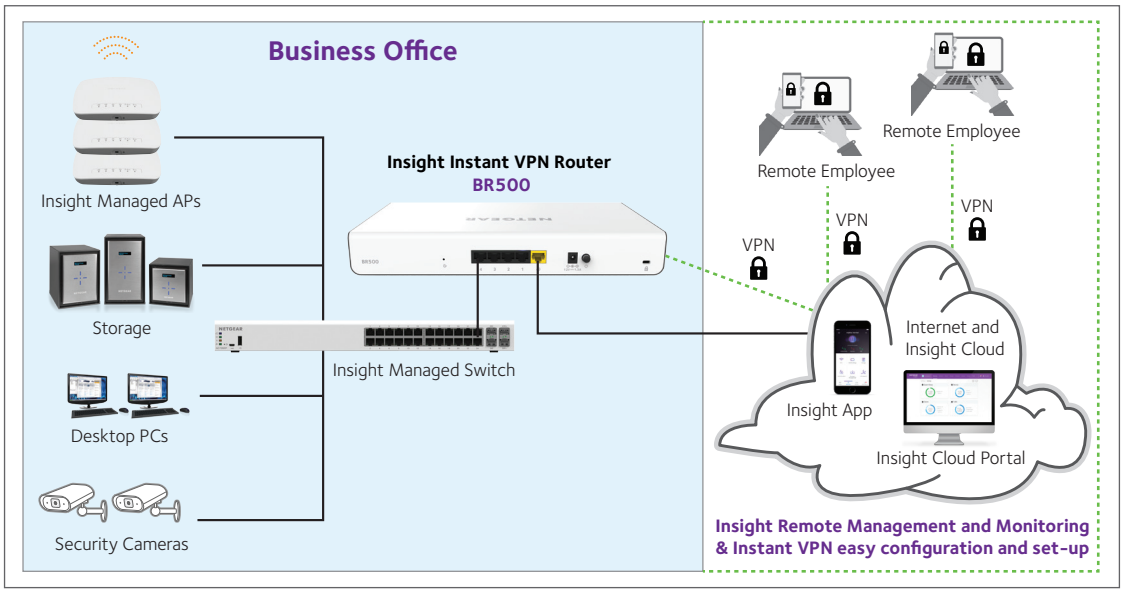


Figure 1.

Up to 10 remote users can remotely connect to BR500 via a secure encrypted VPN connection and have access to all the resources behind BR500 such as file servers, NAS devices, etc.

Site-to-Site VPN

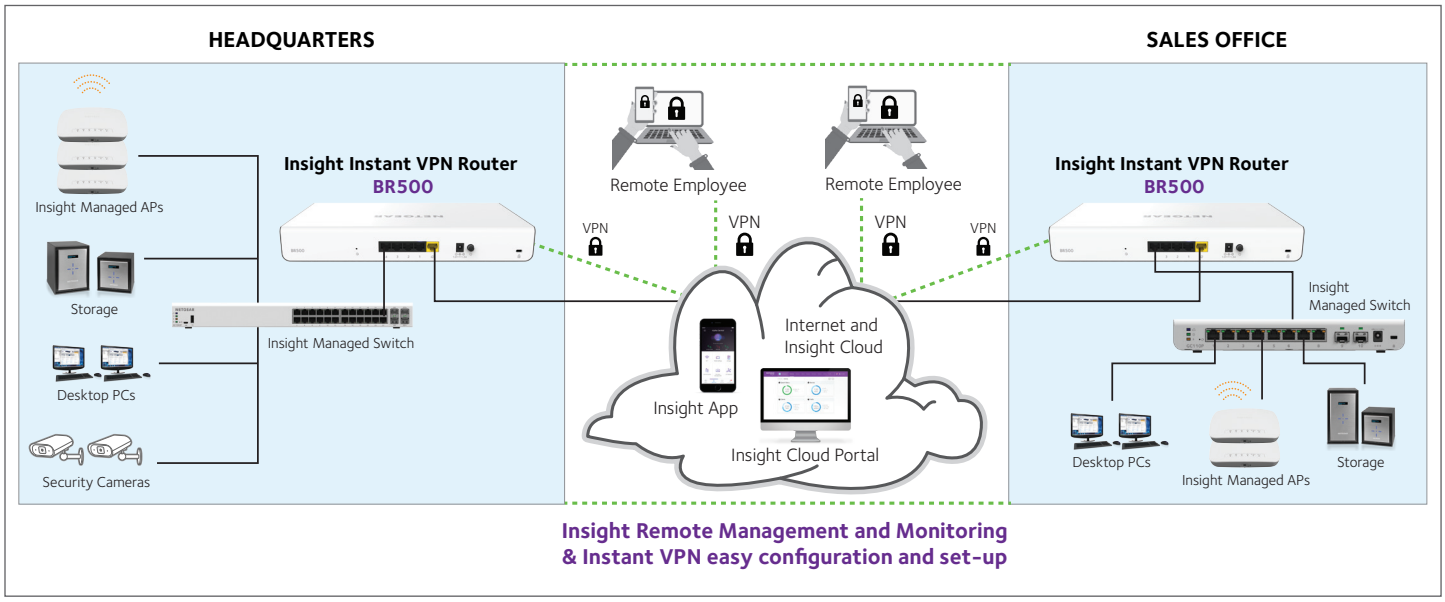


Figure 2.

In this case we have at least two BR500 devices in action. The two of them can create a site-to-site VPN which means they can connect two local LANs and separate networks together as if they were physically connected and co-located. The VPN group now has two BR500 members and the group can now accept up to 20 remote users and these remote users have access to both sites.

Technical Specifications

Features	BR500
CONNECTIVITY	
Gigabit Ports WAN/LAN	1/4
DMZ Interfaces (Configurable)	1
IPv6 Support	Yes
PERFORMANCE	
LAN-to-WAN Throughput[2]	924Mbps
Insight Instant VPN Throughput[2]	60Mbps
Maximum Number of VLANs	4094
Insight Site to site VPN limit	3
Insight client to site VPN limit	10 per router
SECURITY	
Firewall Functions	Stateful Packet Inspection (SPI), Port/Service Blocking, Denial-of-service (DoS) Prevention, Stealth Mode, Block TCP Flood, Block UDP Flood, WAN/LAN Ping Response Control
Content Filtering (HTTP Only)	Web Keyword Blocking, Trusted Domains
User Authentication for VPN	NETGEAR Insight SSO
VoIP SIP ALG	Yes
NETWORKING	
ISP Address Assignment	DHCP, Static IP Assignment, PPPoE, PPTP
NAT Modes	1-1, NAT
Routing	Static, Dynamic, RIPv1, RIPv2
IPv6 Support	Yes
DHCP	DHCP Server, DHCP Relay, DNS Proxy
DDNS	NETGEAR, No-IP.com, Dyn.com
VLANs	802.1Q
Essential Networking Features	Port Range Forwarding, Port Triggering, DNS proxy, MAC Address Cloning/spoofing, NTP Support, UPnP, Auto¬Uplink on Switch Ports, L3 Quality of Service (QoS) ,LAN-to-WAN and WAN-to-LAN(ToS), Bandwidth Profiling
VPN	
IPsec Encryption/Authentication	56-bit DES, 168-bit 3DES, AES(128, 192, 256 bit)/SHA-1, MD5
Key Exchange	IKE, Manual Key, Pre-shared Key, PKI, X.509 v3
IPsec NAT Traversal (VPN Passthrough)	Yes
Access Modes	Insight remote access
VPN Wizard	Insight VPN wizard
SSL Version Support	SSLv3, TLS1.0
SSL Encryption Support	DES, 3DES, ARC4, AES(ECB, CBC, XCBC, CNTR)128, 256 bit
SSL Message Integrity	MD5, SHA-1, MAC-MD5/SHA-1, HMAC-MD5/SHA-1

Technical Specifications

Features	BR500
SSL Certificate Support	RSA, Diffie-Hellman, Self
L2TP Server	Yes
PPTP Server	Yes
MANAGEMENT	
Management Options	Insight Cloud
Logging	Accepted Packets, Dropped Packets, System, Source MAC filter, Session Limit, Bandwidth Limit, IPsec VPN
Log Delivery	Insight logging
Diagnostics	Ping, DNS Lookup, Trace Route
Maintenance	Save/restore Configuration, Restore to Factory Defaults, Firmware Upgrades via Web Browser, Display Statistics
HARDWARE	
Processor	Dual-core 1.7GHz CPU with additional dual-core Network Switching Subsystem (NSS) processors
Flash Memory/RAM	128MB/1GB
Major Regulatory Compliance	Environment: RoHS Safety: CE/LVD, cUL EMI: FCC Part 15 Class B, CE mark, C-Tick Class B, VCCI
Temperatures	Operating Temperature: 0° - 45°C (32°-113° F) Storage Temperature: -20° - 70° C (-4° - 158° F)
Humidity	Operating humidity 90% maximum relative humidity, non-condensing Storage humidity 95% maximum relative humidity, non-condensing
Electrical Specifications	Power adapter Input localized to regions Output: DC 12V/1.5A
Dimensions (W x D x H) cm	31.4 x 18.75 x 4.365
Dimensions (W x D x H) in	12.36 x 7.38 x 1.72
Weight kg/lb	1.55/3.41
System Requirements	Cable or DSL Broadband Modem, Internet Service, Windows/OSX/Linux/iOS/ Android Client Device, Internet Explorer/Firefox/Chrome/Safari Web Browser

Technical Specifications

Features	BR500	
Package Contents	Includes 1 Insight Instant VPN Router (BR500) or Includes 2 Insight Instant VPN Routers (BRK500) Ethernet cable Install guide Warranty card	
Hardware Warranty*	5 Years	
Technical Support*	90 Days	
Next Business Day Replacement	5 Years	
ORDERING INFORMATION		
	Single	**Kit of Two Units**
North America	BR500-100NAS	BRK500-100NAS
Europe	BR500-100UKS	BRK500-100UKS
	BR500-100PES	BRK500-100PES
Asia Pacific	BR500-100JPS	BRK500-100JPS
	BR500-100AUS	BRK500-100AUS

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[2] Actual performance may vary depending on network traffic and environment.

* This product comes with a 5-year warranty that is valid only if purchased from a NETGEAR authorized reseller, and modifications to product may void the warranty—not software or external power supplies; see http://www.netgear.com/about/warranty/ for details. Lifetime technical support includes basic phone support for 90 days from purchase date and lifetime online chat support when purchased from a NETGEAR authorized reseller.

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