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KEY FEATURES

⊕	802.11n Draft 2.0 compliant for state-of-the-art wireless up to 150Mbps ¹
⊕	Greatly increase your wireless network speed, reliability and coverage
⊕	Easy set-up and management with an intuitive web based interface
⊕	4 Ethernet ports for wired connections
⊕	Works with all major operating systems, no software required
⊕	Built in Firewall provides security and peace of mind

The NetComm Velocity Series has a model that is perfect for everyone. Simply attach a NetComm Velocity Series Wireless Router to your existing network to create a high speed Wireless N connection for all users to share. Also featuring four Ethernet ports for wired connections, enjoy the experience of a faster, more reliable and secure Internet connection.

The Wireless N 150 Router (NP803n) is perfect for users that are looking for an entry level Wireless N product to boost their networks speed but do not require the highest level of throughput required for multimedia streaming and large file sharing.

With one transmitting and one receiving antenna, the NP803n is compliant with the Wireless N standard (802.11n draft 2.0) and will provide a maximum wireless throughput of 150Mbps¹.

Model Code/ Part Number	Description	APN Code
NP803N	NetComm Velocity Series Wireless N 150 Router	9317773013757

TECHNICAL SPECIFICATIONS

HARDWARE

- MCU – RT3050, 320MHz embedded RF/MAC/BBP
- Memory– 16MB SDRAM
- Flash: 4MB
- WPS (Wi-Fi Protected Setup)
- Device: 12V/1A

Physical Interface:

- WAN: One 10/100 Fast Ethernet RJ-45
- LAN: Four 10/100 Fast Ethernet RJ-45 Reset Button, Power Jack

SOFTWARE FEATURES

- Topology: Infrastructure
- Operation Mode: AP/Router

LAN

- DHCP Server
- Static Routing Table
- UPNP

WAN

- PPTP
- PPPoE
- Static IP
- DHCP Client
- Clone MAC

Router

- NAT/ NAPT
- Static Routing
- DDNS
- Dynamic Route
- Virtual server mapping
- IP address mapping
- DNS Relay
- Port Forwarding
- Port Triggering
- Special application
- Time Zone(NTP client)
- ALG(Application Layer Gateway) support (RTP/RTSP, AOL, FTP, ICMP, WMP/MMS, NetMeeting, SIP)

Firewall

- DoS(Blocking Ping, Port scan, Sync Flood)
- MAC / IP Filtering
- Blocking Ping
- ICMP Blocking
- SPI (Stateful Packet Inspection)
- DMZ (Demilitarized Zone) Host
- Policy Based Parental Controls
 - Port Range / Service Filtering
 - Internet Domain Restriction
 - Dynamic URL Filtering
- (OEM subscription service)

VPN

- VPN pass-through (PPTP, L2TP, IPSEC)

Wireless

- 64/128 bit WEP Encryption
- WPA/WPA2 Personal (WPA-PSK using TKIP or AES)
- WPA/WPA2 Enterprise (WPA-EAP using TKIP)
- 802.1x Authenticator
- Hide SSID in beacons
- WDS
- Wi-Fi Protection Setup (WPS)
- ACL control

QoS

- WMM
- Application Base
 - Priority Queue
 - Bandwidth Allocation

Management

- Configuration: Web-based configuration (HTTP)
- Firmware Upgrade: Upgrade firmware via web-browser
- Administrator Setting: Administrator password change Idle time out
- Reset Setting:Reboot Reset to Factory Default
- System monitoring: Speed and Bandwidth monitoring

ENVIRONMENT & PHYSICAL

- Temperature Range: 0 to 45° C - Operating, -10 to 70 ° C -

Storage

- Humidity (non-condensing): 15%-95% typical
- Dimensions: 125mm (L) x 98mm (W) x 25mm (H)

You can quickly and easily create a network and share your high-speed Internet connection with multiple devices, and with 4 Ethernet ports you can also network multiple wired devices that can all share the one broadband connection and stream files to each other.

11n Technology

Enjoy wireless speeds of up to 150Mbps¹, 3x faster than Wireless G technology

4 Ethernet Ports

Share your Internet connection with up to 4 wired devices

Advanced Security

Wi-Fi Protected Access (WPA2) means your wireless network is protected at all times and the VPN pass through enables you to access your company's network through a remote and secure private network

Web configuration

Set up & management is easy with a user friendly web interface

¹ Maximum wireless signal rate and coverage values are derived from IEEE Standard 802.11g and 802.11n Draft 2.0 specifications. Actual wireless speed and coverage are dependent on network and environmental conditions included but not limited to volume of network traffic, building materials and construction/layout.

CONNECTION DIAGRAM



Your Network – Now faster, stronger and more secure

TECHNICAL SPECIFICATIONS

PRODUCT DESCRIPTION

The NP910n acts as a high performance 11b/g/n USB adapter. It supports 1T1R MIMO architecture.

PACKAGE CONTENT

- 1x 802.11n USB adapter (NP910n)
- 1x CD (User's Manual)
- 1x QSG

TECHNICAL SPECIFICATIONS

Hardware Specifications

- Standard IEEE802.3, IEEE802.3u, IEEE802.11b, IEEE802.11g, 802.11n (2.0)

Physical Interface

- USB 2.0

Operating Voltage

- 3.3V

LED Status

- Link Activity

Antenna

- Internal Antenna

RF SPECIFICATION

Frequency Band

- 2.400-2.484 GHz

Modulation Technology

- OFDM: BPSK, QPSK, 16-QAM, 64-QAM
- DBPSK, DQPSK, CCK

Operating Channels

- 13 for Australia

Wireless Setting

- Operation Mode – Client mode
- Wireless Mode – 11b/ 11g /11n
- Channel Selection (Setting varies by Country)
- Channel Bandwidth (Auto, 20Mhz, 40Mhz)
- Transmission Rate
 - 11g: Best. 54, 48, 36, 24, 18, 12, 11, 9, 6, 5.5, 2, 1 in Mbps
- Guard Interval 800ns Guard Interval 400ns

Receive Sensitivity (Typical)

- 2.412~2.472G(IEEE802.11b) (1Rx)
 - <= -86 dBm
- 2.412~2.472G(IEEE802.11g) (1Rx)
 - <= -88 dBm
- 2.412~2.472G(IEEE802.11n) (1Rx)
 - <= -86 dBm

Available transmit power

- 2.412~2.472G(IEEE802.11b)
 - >= 16dBm @1~11Mbps
- 2.412~2.472G(IEEE802.11g)
 - >= 16 dBm @6Mbps
 - >= 12 dBm @54Mbps
- 2.412~2.472G(IEEE802.11n)
 - >= 16dBm

Wireless

- WPA/WPA2 (AES, 64,128-WEP with shared-key authentication)
- WPS PIN, PBC (WiFi Protected Setup)
- QoS-WMM

Drivers

Windows XP 32/64, 2000, Vista32/64, Mac OS X support

ENVIRONMENT & PHYSICAL

Temperature Range

- 0 to 45° C - Operating,
- -10 to 70 ° C - Storage

Humidity (non-condensing)

- 15%-95% typical



The NetComm NP910n is the latest addition to NetComm's series of world class 11n USB adapters. Featuring advanced 802.11n wireless technology, this mini USB adapter is capable of delivering wireless speeds of up to 150Mbps – making this device small but extremely powerful.

The NP910n is not only smaller than a typical USB key, but it conveniently increases your wireless network's speed, reliability and coverage.

- 802.11n Draft 2.0 compliant for state of the art wireless of up to 150Mbps¹
- Compact form factor and USB interface for use with Laptop and Desktop computers
- Wi-Fi Multimedia (WMM) for smooth multimedia streaming by prioritizing audio, video and voice traffic
- Wi-Fi Protected Setup (WPS) for a secure wireless connection with the push of a button! (Requires WPS compatible wireless router e.g NetComm NP800n Series)
- USB 2.0 interface

¹ Maximum wireless signal rate and coverage values are derived from IEEE Standard 802.11g and 802.11n Draft 2.0 specifications. Actual wireless speed and coverage are dependent on network and environmental conditions included but not limited to volume of network traffic, building materials and construction/layout.

Your NetComm dealer: