



# Nexus Hawk™

*Remote, Secure, Portable  
Wireless, Cellular, 3G  
Gateway and Router*

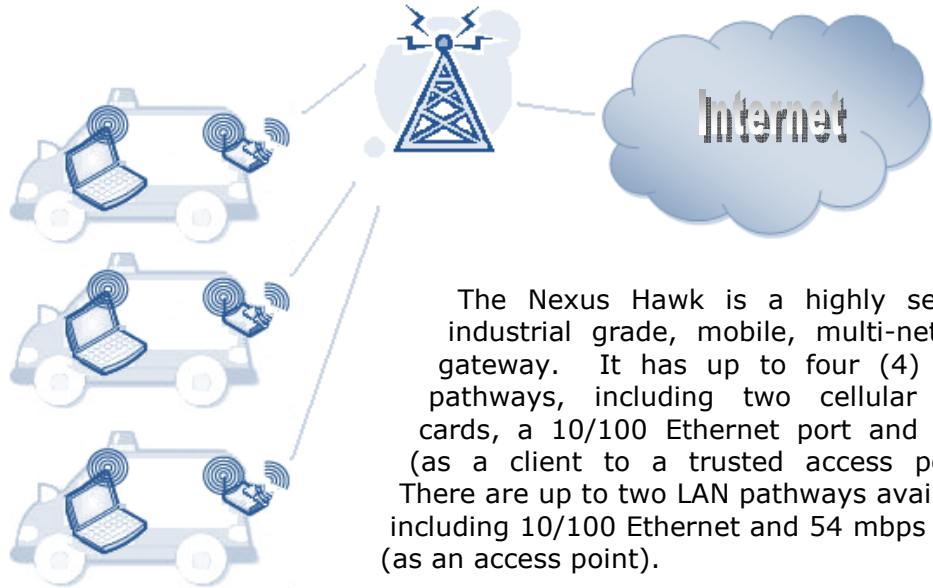
1 and 2 Slot Models available

Commercial Wireless Cellular Data, 3G, 700 MHz, Mobile/Portable WAN Gateway

## Features

- High Speed, multi-network WAN Gateway
- Up to 4 WAN pathways
- Two simultaneously active cellular data cards (two-slot model only), with target-host routing
- Data card support includes: CDMA (1xRTT, EV-DO), GSM (GPRS, EDGE, UMTS, HSDPA)
- Upgradable user accessible data card slots: PCMCIA with ExpressCard and USB support
- Reliable Connectivity through user-defined automatic fail-over
- WWAN QoS Watchdog
- Secure using a "defense in depth" approach
- FIPS 140-2 compiled SSL module
- VPN Endpoint, Server and Pass-through
- Firewalling
- NAT with Stateful Packet Inspection (SPI)
- User defined NAT subnetting including: 10.x.x.x, 172.16-31.x.x, 192.168.x.x
- FCC Part 15 Class B Industrially Certified
- 12 to 52 VDC operation including PoE client

## Anytime. Anywhere. Any Network.



The Nexus Hawk is a highly secure, industrial grade, mobile, multi-network gateway. It has up to four (4) WAN pathways, including two cellular data cards, a 10/100 Ethernet port and Wi-Fi (as a client to a trusted access point). There are up to two LAN pathways available, including 10/100 Ethernet and 54 mbps Wi-Fi (as an access point).

## Mobile, portable and remote networking; Securely and Reliably

Each member of an industry has unique concerns and issues. Even so, they share some common needs. They need to know that their mobile workforce has access to the same digital resources that their brick-and-mortar staff has. The Nexus Hawk can provide it securely and reliably.

By providing mobile users and stand-alone kiosks with up to four "instant failover" pathways to the WAN, they are assured access when they need it.

Optional high gain antennas and accessories will allow the Nexus Hawk to connect even in areas where cellular telephones can't.

Central access to field-deployed Nexus Hawks makes it easy for I-T staff to configure and manage them.

## Features (cont.)

- DynDNS support
- QoS Watchdog
- Simple web browser access to management console
- Embedded, inline help files
- User-upgradable firmware via the web

## Option: Wi-Fi

- Integrated Wi-Fi: 802.11a (5.7 GHz), 802.11b/g (2.4 GHz)
- Encryption security via WEP, WPA and WPA2 (64 and 128 bits)

## Option: GPS

- Embedded Garmin OEM
- Outputs: NMEA-0183 (RMC, GGA, GSA, GSV) and TAIP, APRS™
- User-definable GPS header
- "Push" to remote host via TCP or UDP
- Supports two simultaneous streams
- Cache and auto-upload upon WAN link loss and re-establishment

## Contact Us

<http://www.NexusHawk.com>  
Toll Free: 877.586.3488

## Specifications

	Model 1000	Model 2000	Option: G(PS)	Option: W(i-Fi)
Available PCMCIA Slots	One	Two	n/a	n/a
Case Dimensions (in.)	7 9/16 x 6 1/8 x 1 5/8	10 1/16 x 6 1/8 x 1 5/8	Add 1/2" to width <sup>1</sup>	Add 3/4" to width <sup>2</sup>
Case Dimensions (cm)	19.2 x 15.6 x 4.1	25.6 x 15.6 x 4.1	+ 1.3 cm to width	+ 1.9 cm to width
Weight (lbs./kg)	0.95lb / 0.43kg	1.3lb / 0.59kg	Nil (<0.01lb)	Nil (<0.01lb)
Power Supply (Neg Gnd)	12.0 – 52.0 VDC	12.0 – 52.0 VDC	Embedded <sup>3</sup>	Embedded
Max. Supply Current <sup>4</sup>	900 mA	900 mA	Add 75 mA	Add 250 mA
Connectors/Jacks	Power: 2.1x5 mm	Power: 2.1x5 mm	RF: SMA(f)/DB9	RF: TNC(f)
Acoustic Signature	Nil	Nil	Nil	Nil
Operating Temperature	-15° – +140° F -25° – +60° C	-15° – +140° F -25° – +60° C	Embedded	Embedded
Operating Humidity <sup>5</sup>	5 – 95%	5 – 95%	Embedded	Embedded
Mounting	Keyhole	Keyhole	5 – 95%	5 – 95%
Approvals	US: FCC Part 15B Canada: ICES-003 Telus Certified	US: FCC Part 15 B Canada: ICES-003 Telus Certified	Embedded	Embedded

## Ordering Information

Product Code	Product Name	Product Description
011HO	Nexus Hawk 1000	1-slot
011HW	Nexus Hawk 1000W	1-slot, Wi-Fi
011HG	Nexus Hawk 1000G	1-slot, GPS
012HWG	Nexus Hawk 1000WG	1-slot, Wi-Fi, GPS
012HO	Nexus Hawk 2000	2-slot
012HW	Nexus Hawk 2000W	2-slot, Wi-Fi
012HG	Nexus Hawk 2000G	2-slot, GPS
012HWG	Nexus Hawk 2000WG	2-slot, Wi-Fi, GPS

<sup>1</sup> To accommodate TNC(F) panel-mount jack

<sup>2</sup> To accommodate SMA(F) panel-mount jack

<sup>3</sup> Supplies +3.3VDC to the antenna lead to support a powered external GPS antenna

<sup>4</sup> This does not count the current consumption of add-on PCMCIA cards.

<sup>5</sup> This assumes a non-condensing humidity environment