

NetMotion Wireless Locality - Network Adapter and GPS Receiver Matrix

Last Updated: 2/2/12

Network Adapters

The following tables show the network adapters that have been tested with NetMotion Wireless Locality. The *In Agent Version* column indicates when support for an adapter model was introduced. Each time we release a new version of the Locality agent that supports additional adapters, we update this document—the most current version of this document is always available on our website:

<http://www.netmotionwireless.com/locality/requirements/>

Adapters are organized by carrier:

- AT&T
- Sprint
- Verizon

GPS Receivers

Locality is compatible with most NMEA 0183 standards-compliant GPS devices that use or emulate serial communications. Locality shares the serial port, which means that existing location-based applications do not need to be reconfigured. If you have an NMEA-compatible device that Locality cannot detect, first make sure it is set to an NMEA configuration. For additional assistance, contact NetMotion Wireless Technical Support.

Supported Network Adapters — Carrier: AT&T

GPS devices vary in reliability and quality from model to model. Customers are responsible for the operation and performance of GPS devices used in their deployments. In addition, adapters are supported only in NDIS mode.

Manufacturer	Model	In Agent Version	Integrated GPS	AT&T Communication Manager	Sierra Watcher	OEM Connection Managers		
						HP Connection Manager	Dell Mobile Broadband Utility	Lenovo Access Connections
Gobi 1000 Chipsets								
Qualcomm	Acer Aspire One netbook	v1.0	No	v7.2	n/a	n/a	n/a	n/a
Qualcomm	Acer Aspire 1830 netbook	v1.0	No	v7.2	n/a	n/a	n/a	n/a
Qualcomm	Dell laptops	v1.0	Yes ⁽¹⁾	v7.2	n/a	n/a	v1.4	n/a
Qualcomm	HP laptops	v1.0	Yes ⁽¹⁾	v7.2	n/a	v2.0	n/a	n/a
Qualcomm	HP Mini series netbooks	v1.0	Yes ⁽¹⁾	v7.2	n/a	v2.0	n/a	n/a
Qualcomm	Lenovo laptops	v1.0	Yes ⁽¹⁾	v7.2	n/a	n/a	n/a	v5.83
Qualcomm	Panasonic Toughbook CF-30	v1.0	Yes ⁽²⁾	v7.2	n/a	n/a	n/a	n/a
Qualcomm	Panasonic Toughbook CF-F8	v1.0	No	v7.2	n/a	n/a	n/a	n/a
Gobi 2000 Chipsets								
Qualcomm	Dell laptops	v1.0	Yes ⁽¹⁾	v7.2	n/a	n/a	v1.4	n/a
Qualcomm	HP laptops	v1.0	Yes ⁽¹⁾	v7.2	n/a	v2.0	n/a	n/a
Qualcomm	Lenovo laptops	v1.0	Yes ⁽¹⁾	v7.2	n/a	n/a	n/a	v5.62, v5.83
Qualcomm	Panasonic Toughbook CF-31	v1.0	Yes ⁽¹⁾	v7.2	n/a	n/a	n/a	n/a
Qualcomm	Panasonic Toughbook CF-C1	v1.0	Yes	v7.2	n/a	n/a	n/a	n/a
Sierra								
Sierra	AirCard 305 USB (USBConnect Lightning)	v1.0	No	v7.2	Build 2849	n/a	n/a	n/a
Sierra	Aircard 308 USB (Shockwave HSPA+)	v1.0	No	v9.1	Build 3163	n/a	n/a	n/a
Sierra	AirCard 860	v1.0	No	v7.2	Build 2849	n/a	n/a	n/a
Sierra	AirCard 875	v1.0	No	v7.2	Build 2849	n/a	n/a	n/a
Sierra	AirCard 881	v1.0	Yes	v7.2	Build 2849	n/a	n/a	n/a
Sierra	AirCard 890	v1.0	Yes	v7.2	Build 2849	n/a	n/a	n/a
Sierra	Compass 885 (USBConnect Mercury)	v1.0	No	v7.2	Build 2849	n/a	n/a	n/a
Option								
Option	Samsung Go N310 netbook	v1.0	Yes	v7.2	n/a	n/a	n/a	n/a
Option	USBConnect QuickSilver (iCON 322)	v1.0	No	v7.2	n/a	n/a	n/a	n/a
Option	USBConnect Velocity (GlobeTrotter GI4xx)	v1.0	Yes	v7.2	n/a	n/a	n/a	n/a

Integrated GPS Column

- "No" means either there is no integrated GPS on this adapter, or the carrier does not support GPS for this adapter.
- ⁽¹⁾ Integrated GPS is supported by Locality only when it is supported by the adapter manufacturer, the carrier, and the OEM.
- ⁽²⁾ Some CF-30 models do not ship with integrated GPS.

Connection Managers Supported (must also be supported by the adapter manufacturer, the carrier, and the OEM)

- AT&T Communication Manager

Note: The AT&T Communication Manager v7.2 that NetMotion Wireless tested is listed as v7.2x on the AT&T web site; once installed, however, the About box indicates that the version is 7.02x.

- Sierra Watcher (Sierra devices)
- Windows 7 Windows Mobile Broadband

OEM Connection Managers Supported

- HP Connection Manager
- Dell Mobile Broadband Utility (sometimes called Dell ControlPoint)
- Lenovo Access Connections

Supported Network Adapters – Carrier: Sprint

GPS devices vary in reliability and quality from model to model. Customers are responsible for the operation and performance of GPS devices used in their deployments. In addition, adapters are supported only in NDIS mode.

Manufacturer	Model	In Agent Version	Integrated GPS	Sprint SmartView	OEM Connection Managers		
					HP Connection Manager	Dell Mobile Broadband Utility	Lenovo Access Connections
Gobi 1000 Chipsets							
Qualcomm	Dell laptops	v1.0	Yes ⁽²⁾	v2.50	n/a	v1.4	n/a
Qualcomm	HP laptops	v1.0	Yes ⁽²⁾	See SmartView	v2.0	n/a	n/a
Qualcomm	HP Mini series	v1.0	No	v2.50	v2.0	n/a	n/a
Qualcomm	Lenovo laptops	v1.0	Yes ⁽²⁾	v2.50	n/a	n/a	v5.83
Qualcomm	Panasonic Toughbook CF-30	v1.0	Yes ⁽³⁾	v2.50	n/a	n/a	n/a
Gobi 2000 Chipsets							
Qualcomm	Dell Inspiron 11z (1121) netbook (3G mode only)	v1.0	Yes	v2.50	n/a	n/a	n/a
Qualcomm	Dell laptops	v1.0	Yes ⁽²⁾	v2.50	n/a	v1.4	n/a
Qualcomm	HP laptops	v1.0	Yes ⁽²⁾	v2.50	v2.0	n/a	n/a
Qualcomm	Lenovo laptops	v1.0	Yes ⁽²⁾	See SmartView	n/a	n/a	v5.83
Qualcomm	Panasonic Toughbook CF-31	v1.0	Yes	v2.50	n/a	n/a	n/a
Novatel							
Novatel	Ovation U727 USB	v1.0	Not Supported	v2.50	n/a	n/a	n/a
Novatel	Ovation U760 USB	v1.0	Yes	v2.50	n/a	n/a	n/a
Novatel	Merlin C777 PC, PC Express	v1.0	Yes	v2.50	n/a	n/a	n/a
Sierra							
Sierra	AirCard 250U USB (3G mode only)	v1.0	Yes	v2.50	n/a	n/a	n/a
Sierra	AirCard 402	v1.0	Yes	v2.50	n/a	n/a	n/a
Sierra	AirCard 597E	v1.0	Yes ⁽⁴⁾	v2.50	n/a	n/a	n/a
Sierra	AirCard 598U USB	v1.0	Yes	v2.50	n/a	n/a	n/a
Sierra	Compass 597U USB	v1.0	Yes ⁽⁴⁾	v2.50	n/a	n/a	n/a

Integrated GPS Column

- "No" means either there is no integrated GPS on this adapter, or the carrier does not support GPS for this adapter.
- "Not Supported" means that the adapter manufacturer advertises GPS support but the device has proven unreliable and cannot be used by Locality. NetMotion Wireless recommends using an external GPS instead.
- ⁽²⁾ Integrated GPS is only supported by Locality when supported by the adapter manufacturer, the carrier and the OEM.
- ⁽³⁾ Some CF-30 models do not ship with integrated GPS.
- ⁽⁴⁾ The GPS on these cards is particularly unreliable, but when it works Locality is able to use it.

Connection Managers Supported (must also be supported by the adapter manufacturer, the carrier, and the OEM)

- [Sprint SmartView](#)
- Windows 7 Windows Mobile Broadband

OEM Connection Managers Supported

- HP Connection Manager
- Dell Mobile Broadband Utility (sometimes called Dell ControlPoint)
- Lenovo Access Connections

Supported Network Adapters – Carrier: Verizon

GPS devices vary in reliability and quality from model to model. Customers are responsible for the operation and performance of GPS devices used in their deployments. In addition, adapters are supported only in NDIS mode.

Manufacturer	Model	In Agent Version	Integrated GPS	VZAccess Manager	OEM Connection Managers		
					HP Connection Manager	Dell Mobile Broadband Utility	Lenovo Access Connections
Gobi 1000 Chipsets							
Qualcomm	Dell laptops	v1.0	Yes ⁽²⁾	v7.6.3.1	n/a	v1.4	n/a
Qualcomm	Gateway 2016U netbook	v1.0	No	v7.2.1.2	n/a	n/a	n/a
Qualcomm	HP laptops	v1.0	Yes ⁽²⁾	See Verizon	v2.0	n/a	n/a
Qualcomm	HP Mini series	v1.0	Yes ⁽²⁾	v7.3.10.1	v2.0	n/a	n/a
Qualcomm	Lenovo laptops	v1.0	Yes ⁽²⁾	See Verizon	n/a	n/a	v5.83
Qualcomm	Panasonic Toughbook CF-30	v1.0	Yes ⁽²⁾	v6.90	n/a	n/a	n/a
Gobi 2000 Chipsets							
Qualcomm	Dell laptops	v1.0	Yes ⁽²⁾	See Verizon	n/a	v1.4	n/a
Qualcomm	HP laptops	v1.0	Yes ⁽²⁾	See Verizon	v2.0	n/a	n/a
Qualcomm	HP Mini series	v1.0	Yes ⁽²⁾	v7.6.3.1	v2.0	n/a	n/a
Qualcomm	HP Pavilion DM1-2010 netbook	v1.0	Yes	v7.3.10.1	Not available	n/a	n/a
Qualcomm	Lenovo laptops	v1.0	Yes ⁽²⁾	See Verizon	n/a	n/a	v5.83
Qualcomm	Panasonic Toughbook CF-31	v1.0	Yes	v7.2.9.1	n/a	n/a	n/a
Novatel							
Novatel	Ovation U727 USB	v1.0	Not Supported	v7.3.10.1	n/a	n/a	n/a
Novatel	Ovation U760 USB	v1.0	Yes ⁽³⁾	v7.3.13.1	n/a	n/a	n/a
Novatel	PC770 PC Express	v1.0	Yes ⁽³⁾	v7.3.13	n/a	n/a	n/a
Novatel	USB1000 (Gobi 1000 chip)	v1.0	Yes	v7.3.5	n/a	n/a	n/a
Pantech							
Pantech	UML290 USB	v1.11	No	v7.6.4	n/a	n/a	n/a
ZTE							
ZTE	AD3700 USB	v1.0	No	v7.3.5	n/a	n/a	n/a

Integrated GPS Column

- "No" means either there is no integrated GPS on this adapter, or the carrier does not support GPS for this adapter.
- "Not Supported" means that the adapter manufacturer advertises GPS support but the device has proven unreliable and cannot be used by Locality. NetMotion Wireless recommends using an external GPS instead.
- ⁽²⁾ Integrated GPS is only supported by Locality when supported by the adapter manufacturer, the carrier and the OEM.
- ⁽³⁾ GPS needs to be unlocked by the carrier before Locality can enable and use them. The Novatel GPS Control Panel is the tool to unlock these cards. Once they are unlocked, they remain unlocked, even when moved to another machine.

Connection Managers Supported (must also be supported by the adapter manufacturer, the carrier, and the OEM)

- VZAccess Manager and VZAccess Manager Enterprise versions for your adapter
- Windows 7 Windows Mobile Broadband

OEM Connection Managers Supported

- HP Connection Manager
- Dell Mobile Broadband Utility (sometimes called Dell ControlPoint)
- Lenovo Access Connections