

TELUS Smart Hub

NetComm



21Mbps



What is the Smart Hub?

The Smart Hub is a HSPA+ router that allows users to connect to the Internet and make voice calls over the TELUS 4G network.

Sharing the connection

The Smart Hub has a LAN port for a wired connection and features a Wireless N (802.11n) access point that can connect up to 15 Wi-Fi enabled devices (such as laptops, smart phones, tablets) to the Internet over high speed network.

Data Speeds

The Smart Hub operates over the TELUS 4G network and provides powerful HSPA+ data speeds. The Smart Hub provides maximum download data rates of 21Mbps and upload data rate of 5.76Mbps. These speeds rival what is available to customers who use a fixed line ADSL connection.

Phone Calls

Connect up to 2 phones to the Smart Hub's phone sockets to make and receive calls over the TELUS 4G network while connected to the Internet.



Key Features

- Powerful and flexible fixed wireless gateway supporting various networks and service types
- Embedded HSPA+ modem supporting peak downlink up to 21 Mbps / uplink up to 5.76 Mbps
- Wireless LAN 802.11n access point with MIMO antenna technology
- Voice function – connect a standard analogue telephone for calls over the cellular network
- Ethernet LAN 10/100 connectivity
- Ethernet WAN for alternate Internet connectivity (ADSL2+/Cable/Fibre)
- Redundant Connectivity - Automatic Internet failover to Wireless WAN when connection is lost through primary connection
- Management and configuration via web user interface from any computer or smart phone
- VPN pass-through support for secure connections over the public cellular network



Identify your Smart Hub customer

- Homes outside the range of ADSL or cable broadband access
- Holiday homes and lodges that require a portable connection option
- Frequent movers/renters that can take their connection with them when they move
- Homes that want to upgrade from dial up to broadband
- Fixed line replacement – homes can do away with separate Internet and phone accounts

Target Market Applications



Renters / Frequent Movers

People who live in a rented premises may not want to commit to a fixed line Internet service given the possibility they may not live there long term. With a mobile broadband Internet connection, like the Smart Hub provides, the service is not fixed to a designated house or phone port. The connection is able to be moved and the Internet is available whenever the Smart Hub is plugged into a power point that is within the TELUS 4G network (98% of Canada's population).



Students

Students rely on the Internet for research into their studies and need a solution that can adapt to their ever-changing lifestyle.

Much like the renting market segment, the Smart Hub will appeal to students who favour flexibility and freedom in their connection and do not wish to be locked into a fixed line alternative.



Homes not in the ADSL footprint

Many homes in Canada are still restricted to dial up Internet. As we see a surge in household use of various Internet-enabled gadgets, and the consequential need for speed, the freedom to give multiple users fast and secure Internet access and a phone line service has become essential for any home.

Breaking away from dial up to enjoy the benefits of an easily transportable high-speed Internet connection which can be shared between multiple users with the added advantage of a phone line service all on a single account can be achieved in one easy step with the TELUS Smart Hub.



Holiday makers and holiday homes

Vacationers often choose to escape to the cottage for a holiday or short weekend away. For the average cottage, water and electricity is the standard requirement, however Internet and telephone access are fast becoming a necessity for comforts away from home. Whether it is to upload holiday snaps, check maps, stay in touch with family, friends and the office or keep the children entertained with online gaming, Internet access now plays a big part in everyday life.



TECHNICAL SPECIFICATIONS

HSPA+

- 850/900/1900/2100MHz UMTS/HSDPA/HSUPA
- Up to 21 Mbps downlink (HSDPA Cat 14)
- Up to 5.76 Mbps uplink (HSUPA Cat 6)
- Quad-band EDGE/GPRS/GSM

WWAN INTERFACE

- 3G x 1

LAN INTERFACE

- 10/100 Ethernet x 1

PHONE INTERFACE

- RJ-11 FXS Phone Port x 2

WLAN

Standard

- IEEE802.11n, backward compatible with 802.11b/g

Encryption

- WEP, WPA, WPA2

WLAN Data Rate

- Up to 300Mbps

ANTENNA SYSTEM

- 1 x External cellular main - removable multi-band 2dBi gain terminal mount omni antenna
- 1 x Internal cellular diversity antenna
- 2 x Internal 2.4GHz antennas for 802.11n Wi-Fi

DIMENSIONS AND WEIGHT

- 140 mm (L) x 132 mm (W) x 34 mm (H)
- 240 grams

PACKAGE INCLUDES

- 3G38WV-TS Gateway
- 1 x 1.5M Ethernet cable
- 1 x external antenna
- 1 x 2M telephone (RJ-11) cable
- DC power adapter
- Quick start guide

