

W3G-200G2: Tri-BAND HSUPA/UMTS/HSDPA Modem Router

The W3G-200G2 is a Worldwide Tri-Band 3.75G / 3.5G Mobile Router with choice of built-in HSUPA, TRI-BAND UMTS/HSDPA, or Quad-BAND GSM/GPRS/EDGE modems. It also supports optional CDMA and EVDO.



W3G-200G2 is router and access point using WAN and /or dial up modem. W3G-200G2 comes with built-in modems. You simply insert SIM card for plug and play. It could be used as a regular router connected to ADSL or cable modem and also as a PPP router to dial up to ISP through built-in 3G/3.5G/3.75G modems. The built-in modem support HSUPA, UMTS, HSDPA, GSM, GPRS, and Edge, etc. The router will use WAN as the first priority and dial up modem as *back up*. Once the WAN port is active, it will switch to WAN and disconnect the dial-up connection. The routers will automatically dial to ISP if WAN is not active and there is data to be transmitted.

AlwaysOn feature from W3G-200G2 maintains persistent cellular WAN connection without interruption.



The **W3G-200G2** WAN offers a secure, high-speed cellular connection for reliable primary and backup network connectivity to remote sites and devices. It uses UMTS/EVDO/HSDPA/HSUPA network technology and is ideal for retail / POS branches where enterprise class high-speed connections are required. W3G-200G2 can also be used to remotely monitor devices in utility applications, cameras and sensors for surveillance and more.

W3G-200G2 offers subscribers of wireless carriers the ability to share 3G wireless broadband access at speeds up to 7.2 Mbps with Ethernet and optional 802.11g connected stations from anywhere a compatible 3G mobile signal is available. The W3G-200G2 offers both consumers and small business a way to provide wireless wide area networking (WAN) for local Ethernet and 802.11g Wi-Fi networks.

Features at a glance:

- HSUPA / HSDPA speed up to 7.2 Mbits/s
- One WAN port for ADSL as Backup (Redundancy)
- Wireless LAN with four LAN ports
- Wide range of DC power supply (8-27VDC). Suitable for battery operation or mobile vehicles
- Hardware reset when system hangs. Suitable for environment without attendance
- Automatically backup and restore broad band WAN and Dialup WAN.
- PPTP L2TP VPN client or PPTP L2TP IPsec pass-through.
- Optional Wireless Local Loop using internal 3G / 3.5 G cellular modem.

High Performance Modem Router Solution Features

Backup Dialup WAN port	Supports USB (standard serial RS-232 optional) modem interface, with configuration of GPRS, 3G/3.5G HSDPA and Edge(Optional CDMA and EVDO), or 3.75G HSUPA Automatically switches to Dial-up WAN port when WAN port not available Automatically switches back to WAN port when available
Powerful Performance	Revolutionary Stream Engine technology provides powerful QoS services for real-time applications, 90+ Mbps high-speed NAT firewall SIP and H.323-aware for VoIP and video conferencing
Optional Wide Range DC Power Supply (8-27V DC)	Suitable for battery or mobile operation such as vehicles
Hardware Reset	Special design for environment without attendance
Security	Double firewall / NAT hides the network addresses; Stateful packet inspection (SPI) firewall protects personal information; Denial of service (DoS) protection Denial of service; Wi-Fi Protected Access (WPA-PSK); Wired Equivalent Privacy (WEP 64 & 128) VPN pass-through: IPSEC, L2TP, PPTP with multiple users VPN client : PPTP , L2TP Supports WPA2, Demilitarized zone (DMZ) – exposed host; MAC address authentication
Parental Controls	Password-protected access; Usage logging and email notification; Time-based usage controls Domain name and keyword access control; Remote management
Robust Wireless Capabilities	Many 802.11 a/b/g radio options including Turbo mode radios (802.11 a/b/g for optional); 11b only or 11g only, and Mixed 11b/g wireless modes; Infrastructure and ad-hoc modes; Regional dynamic channel selection; Advanced settings (fragmentation threshold, RTS threshold);
Advanced Router / Gateway Features	Network address translation (NAT); Stateful packet inspection (SPI); Virtual server Port triggering; Cyber attack protection; Static & dynamic routing; DMZ host support; Broad application level gateway (ALG) support; Multi-VPN pass-through; Rule based filtering; Domain name allow; Time-based rules; MAC address filtering
GPRS data transmission	GPRS class 10: Max. 85.6 kbps (DL), Max. 42.8 kbps (UL), Mobile station class B Full PBCCH support, Coding schemes CS 1-4
SMS	Point-to-point MO and MT, SMS cell broadcast, Text and PDU mode
Voice (optional)	Triple-rate codec for HR, FR and EFR, GSM & 3GPP: Adaptive multi-rate AMR DTMF supported, CEPT/ANSI supervisory tones supported, Handset, Headset, Hands free modes, TTY supported
FAX (optional)	Group 3, class 1
CSD data transmission	GSM data rate:14.4 kbps, V.110, MTS data rate: 57.6 kbps, V.120 RLP (Non-transparent mode)
UMTS data transmission	UMTS: Max. 384 kbps (DL), Max. 384 kbps (UL)
HSDPA data transmission	HSDPA: Max. 3.6 Mbps (DL), Max. 384 kbps (UL), UE CAT [1-6], 11, 12 supported Compressed mode according to 3GPP, TS25.212
EDGE data transmission	EDGE class 10: Max. 237 kbps (DL), Max. 118 kbps (UL), Mobile station class B Modulation and coding scheme, MCS 1-9
Modules	HSDPA: Tri-Band UMTS/HSDPA(WCDMA/FDD), 850/1900/2100 MHz, Quad-Band GSM 850/900/1800/1900 MHz, EDGE (E-GPRS) multi-slot class 10, GPRS multi-slot class 10 UMTS/HSDPA 3GPP release 5, GSM 3GPP release 99. Speed - 7.2 Mbps (DL), 384 Kbps (UL) HSUPA: Data Speed - 7.2 Mbps (DL), 2 Mbps(UL)
Output power	Class 4 (2 W) for GSM 900; Class 3 (0.25 W) for UMTS/HSDPA/HSUPA; Class E2 (0.5 W) for EDGE 900/1800; Class E2 (0.4 W) for EDGE 1800; Class 1 (1 W) for GSM 1800
Power consumption	Max. 12V 1.5A
Temperature range	Normal Operation: -20°C to +58°C; Restricted Operation: -30°C to +75°C Switch off: +85°C; Storage: -40°C to +85°C
Dimensions / Weight	150 × 100× 40 mm / Approx. 450 g