

WiBORNE, INC.

W3G-200U: 3G Wireless Mobile Routers

The W3G-200 Series is an USB 3G/Wireless Mobile Communication Platform for Portable Network, Public Transit, Public Safety, Law Enforcement, Telemetry / M2M, Landline Replacement, Mobile, and Security



W3G-200U is router and access point using WAN and /or dial up modem. It could be used as a regular router connected to ADSL or cable modem and also as a PPP router using modems to dial up to ISP through its USB port. The dial-up USB / PCMCIA modems could be PSTN V90, Edge modem, GPRS, CDMA, 3G/3.5G HSDPA and is expandable to 3.75G HSUPA. The router will use WAN as the first priority and dial up modem as back up. Once the wired WAN port is active, it will switch to WAN and disconnect the dial-up / 3G connection, the routers will automatically dial to ISP if WAN is not active and there is data to be transmitted.



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

The W3G-200U 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-200U can also be used to remotely monitor devices in utility applications, cameras and sensors for surveillance and more.



W3G-200U offers subscribers of wireless carriers the ability to share 3G wireless broadband access at speeds up to 7.2 (3.75G) Mbps with Ethernet and optional 802.11g connected stations from anywhere a compatible 3G mobile signal is available. The W3G-200U offers both consumers and small business a way to provide wireless wide area networking (WAN) for local Ethernet and optional 802.11a/b/g Wi-Fi networks.

Model W3G-200R without WiFi radio is available for additional saving of cost with worry free for wireless security.

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High Performance Routing Features	
Backup Dialup WAN port	Supports USB (standard serial RS-232 optional) modem interface Configurable for <i>PSTN V90, GPRS, CDMA, 3G/3.5G HSDPA and Edge modem</i> Automatically switches to Dial-up / 3G WAN port when wired WAN port not available, and switches back to wired WAN port when available
Powerful Performance	Revolutionary StreamEngine technology provides powerful QoS services for real-time applications, 90+ Mbps high-speed NAT firewall, Four auto-sensing 10/100 LAN ports Auto-sensing 10/100 WAN port
Easy to Use	Customizable PC wizard for easy network configuration and service provider connection, SIP and H.323-aware for VoIP and video conferencing, Optional Web-based configuration interface
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, Supports WPA2, Demilitarized zone (DMZ) – exposed host, MAC address authentication, Reliable and secure ipOS™ operating system
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 for optional) 11a only, 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

W3G-200R (without WiFi)	W3G-200U (with WiFi)
IEEE802.3 10Base-T Ethernet, IEEE802.3u 100Base-TX Fast Ethernet, IEEE802.3x Flow Control	
	IEEE802.11b/g Wireless (Optional 802.11a)
Communication Protocol	
IP, NAT, ARP, ICMP, DHCP, PPPoE, PPP, PAP, CHAP, NTP, HTTP, PPTP, L2TP	
Power Consumption	
DC 5V±5% (RJ22)	
650mA (Max)	1000mA (Max)
5.0W (max)	
Temperature : 0°C~55°C	
Humidity : <85% (about 25 degree C)	
Hardware Specification	
LED : Power, Dialup status, WLAN, 1 for WAN Link/Act, 4 for LAN Link/Act	
Material : ABS	
Dimension : 15cm x 11cm x 3.3cm (without antenna)	
Weight : 250g	Weight: 275g
Net port : RJ45 Ethernet	
Power : DC jack	
USB: 1.1	
Antenna connection : 50Ω/SMA	