

**BandLuxe**

# HSPA WiFi Router

## BandLuxe R250 3.5G HSPA WiFi Router

### Features:

- HSPA Uplink up to 5.7Mbps  
Downlink up to 7.2Mbps
- Support WiFi 802.11 b/g/Pre-n
- UMTS 850/1900/2100 MHz
- GSM 850/900/1800/1900 MHz
- Support WAN/LAN Ethernet Port
- External 3G Antenna Port Ready



3.5G



WiFi



Wireless

[www.bandrich.com](http://www.bandrich.com)

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### Form Factor

WiFi	802.11 b/g with Pre-n (1x1 antenna design, no diversity)
Modem	Embedded, GPRS/EDGE/WCDMA/HSPA
Dimension (LxWxH, mm)	103.2 x 116 x 24
Weight	170g

### Interface

Power On/Off Switch	Yes
3G Radio On/Off & Singal Strength Button	Yes
LAN Port	RJ45, 1 Port
WAN Port	RJ45, 1 Port, Configurable to be 2nd LAN Port
Power Supply Plug	Yes (12 V DC input)
SIM Slot	Yes

### Connectivity and Data Speed

GSM Band	850/900/1800/1900MHz
UMTS Band	850/1900/2100MHz
HSPA/WCDMA Data Rate	Uplink: up to 5.7Mbps, Downlink: up to 7.2Mbps
WCDMA Power Class	Power Class 3
EDGE/GPRS	Class B, Multislot Class 12
GPRS Power Class	Power Class 4 for 850/900 MHz Bands, Power Class 1 for 1800/1900 MHz Bands
EDGE Power Class	Power Class E2 for 850/900/1800/1900 MHz Bands
WLAN	802.11b/g with Pre-n 2.4GHz Band
LAN	Ethernet 10/100Mbps

### Antenna

GSM/WCDMA Main Antenna	Embedded
WCDMA Rx Diversity Antenna	Embedded
3G External Antenna Port	Yes
WiFi Antenna	Embedded

### Protocol

Default Connection	"UMTS First" or "Ethernet First" Customizable
Automatic WAN Connection Fail-over	Supported
WME Traffic Prioritization / Traffic Shaping	Supported
Fixed WAN Connection	DHCP, Static IP, PPPoE, PPTP, L2TP, PPP
UMTS/HSPA Connection	Connection On Demand, Connection When Available, Auto APN Matching with USIM
Security	Multiple VPN Pass-Through (IPSec, PPTP, L2TP), Internet Access Restriction, Firewall, DoS Prevention, Traffic and Event Logging
NAT-NAPT	Port Forwarding, Port Triggering, DMZ, Multicast Pass-Through, Static Routing, Dynamic Routing (RIP 1, RIP2), QoS
DNS	DNS Agent, DDNS
Browser-Based Administration GUI	GUI Setup Wizard in Web Browser. (English, French, German, Italian, Spanish, Portugal, Traditional Chinese, Russian, Dutch, Arabic, Polish, Thai)

### Wireless LAN

802.11b Data Rate	1/2/5.5/11 Mbps, Auto or Fixed Rate
802.11g Data Rate	1/2/5.5/11/6/9/12/18/24/36/48/54 Mbps, Auto or Fixed Rate
802.11 Pre-n Data Rate	up to 135 Mbps without MIMO
Security	WPA2/WPA/AES/TKIP, WPA/WPA2 PSK Mode, 802.1x (identify all EAP Types Supported), None/64/128 bits WEP Encryption, MAC Filter, Open System and Shared Key Authentication, SSID Broadcast Disable
Other Features	Support up to 32 Simultaneous Wireless Users, WME

### Status Indication

LED	UMTS, Roaming, WiFi, Ethernet, DIAG, Power, Error, 3G Signal Strength.
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### Accessories

Power Adaptor	Yes, Input - 100~240V AC 50~60Hz, Output - 12V DC.
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### Environment

Operation Temperature and Humidity	0°C to 40°C (32°F to 104°F), 10% to 80% Non-Condensing
Storage Temperature and Humidity	-20°C to 60°C (-4°F to 140°F), 5% to 90% Non-Condensing

### Conformance

NCC, FCC, CE, RoHS

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