

ESR6650

3G Mobile Wireless Mobile Router

- 2.4 GHz
- 2.5G / 3G / 3.50
- 150Mbps
- AP/Router



PRODUCT DESCRIPTION

ESR6650 is a 3G-enabled Wireless-N Router that delivers up to 3X faster speed (150Mbps). It supports 3G data cards from HuaWei, OPTION, Sierra and BandLuxe with standards covering WCDMA (HSDPA), CDMA2000 & TD-SCDMA. It is built-in with USB for easy and flexible plug-and-play interface for 3G cards.

ESR6650 supports home network with superior throughput and performance and unparalleled wireless range. With easy to use on the WPS function, it helps users to connect to wireless device with just one push button.

There's also a built-in 2-port full-duplex 10/100 Fast Switch to connect your wired-Ethernet devices together. The Router function ties it all together and lets your whole network shares a high-speed cable or DSL Internet connection.

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* Theoretical wireless signal rate based on IEEE standard of 802.11 b, g, n chipset used. Actual throughput may vary. Network conditions and environmental factors lower actual throughput rate.

** All specifications are subject to change without notice

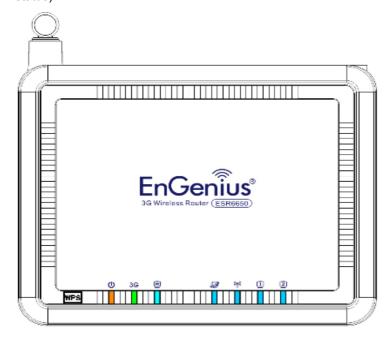




	TECHNICAL SPECIFICATIONS		
> HARDWARE SPECIFICATIONS			
PCB dimension	100mm * 90mm		
Physical Interface	WAN: 1 * 10/100 Fast Ethernet RJ-45		
	LAN: 2 * 10/100 Fast Ethernet RJ-45		
	Rest button		
	Power Jack		
	WPS (WiFi Protected Setup)		
	USB (for 3G data card)		
LEDs Status	Power Status		
	WAN (Internet connection)		
	10/100Mbps LAN1 & LAN2		
	WLAN(Wireless connection)		
	3G networks		
Power Requirements	Power Supply:		
	200 to 240 VDC ± 10% (ETSI)		
	100 to 120 VDC ± 10% (FCC)		
	Device: 12V/1.25A		

Note: 1.WAN can either be USB port or WAN port. USB is the default WAN. 2.RAM and Flash design should be flexible to cover SOHO and ISP purpose.

> Top Panel (LED status)



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> TOP PANEL				
WPS				
	Power 3G WAN Internet WLAN LAN1 LAN2			
Power	1 (On-> red Test/reset default->blink)			
3G	1 (Link-> blue on)			
WAN	1 (Link-> blue on, traffic->blink)			
Internet	1 (Link-> blue on)			
WLAN	1 (Link-> blue on, traffic->blink)			
LAN1	1 (Link-> blue on, traffic->blink)			
LAN2	1 (Link-> blue on, traffic->blink)			
> REAR PANEL (INTERFACE				
Antenna: Detachable SM/				

WAN

USB

Reset

		RF SPECIF	FICATION			
Frequency Band	2.400 ~ 2.484 (GHz				
Modulation Technology	OFDM: BPS	OFDM: BPSK, QPSK, 16-QAM, 64-QAM				
	• DB PSK, DC	ישפג ככג				
	,	•				
	• 3G/3.5G:\	WCDMA (HSDPA), CD	MA2000 & TD-SC	DMA		
Operating Channels	11 for North Ar	nerica, 14 for Japan, 1	3 for Europe			
Wireless Setting	Wireless Mo	ode – 11b/ 11g / 11n				
		· ·	h O h)			
	Channel Se	lection (Setting varies	by Country)			
	Ch annel Ba	ndwidth (Auto, 20Mhz,	40Mhz)			
	Tr ansmission	n Rate				
	-11g: Be	st. 54, 48, 36, 24, 18,	12, 11, 9, 6, 5.5, 2	, 1 in Mbps		
		1	12, 11, 9, 6, 5.5, 2 erval 800ns	<u> </u>	nterval 400ns	
	-11g: Be	1		<u> </u>	nterval 400ns 0MHz(Mbps)	
		Guard Inte	erval 800ns	Guard I		
	MCS index	Guard Inte	erval 800ns (Mbps)	Guard I 20MHz(Mbps) 4	0MHz(Mbps)	
	MCS index	Guard Inte 20MHz(Mbps) 40MHz 6.5	(Mbps)	Guard I 20MHz(Mbps) 4 7.2	0MHz(Mbps)	
	MCS index 0	Guard Inte 20MHz(Mbps) 40MHz 6.5 13	(Mbps) 13.5 27	Guard I 20MHz(Mbps) 4 7.2 14.4	0MHz(Mbps) 15 30	
	MCS index 0 1 2	Guard Inte 20MHz(Mbps) 40MHz 6.5 13	(Mbps) 13.5 27 40.5	Guard I 20MHz(Mbps) 4 7.2 14.4 21.7	0MHz(Mbps) 15 30 45	
	MCS index 0 1 2 3	Guard Inte 20MHz(Mbps) 40MHz 6.5 13 19.5 26	(Mbps) 13.5 27 40.5	Guard I 20MHz(Mbps) 4 7.2 14.4 21.7 28.9	0MHz(Mbps) 15 30 45 60	
	MCS index 0 1 2 3 4	Guard Inte 20MHz(Mbps) 40MHz 6.5 13 19.5 26 39	(Mbps) 13.5 27 40.5 54	Guard I 20MHz(Mbps) 4 7.2 14.4 21.7 28.9 43.3	0MHz(Mbps) 15 30 45 60 90	

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DC-IN

LAN

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	● IEEE802 .11n	
Receive Sensitivity	MCS0@ -91dBm	
(Typical)	MCS7@ -74dBm	
	● IEEE802 .11g	
	6Mbps@ -90dBm	
	54Mbps@ -70dBm	
	● IEEE802 .11b	
	1Mbps@ -90dBm	
	11Mbps@ -87dBm	
	● IEEE802 .11N	
Available transmit power	MCS0~7@ 15dBm	
(Typical)	● IEEE802 .11g	
	6~54 Mbps@ 15dBm	
	● IEEE802 .11b	
	1~11Mbps@ 16dBm	
Antenna *1	Peak Gain = 2 dBi with SMA connector	

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> ROUTER AND GAT	TEWAY
Topology In	Interfrastructure
Operation Mode	AP / Router / WDS
LAN	DHCP Server
	Static Routing Table
	UPNP
WAN	PPTP
	PPPoE
	Static IP
	DHCP Client
	Clone MAC
Router	NAT/ NAPT
	Static Routing
	Dynamic Route
	Virtual server mapping
	IP address mapping
	Port Forwarding
	Port Triggering
	Special application
	ALG(Application Layer Gateway) support (RTP/RTSP, AOL, FTP, ICMP, WMP/MMS, NetMeeting, SIF
	DNS Relay
	DDNS
	Time Zone(NTP client)

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[Blocking Ping	
Firewall		
	DoS(Blocking Ping, Port scan, Sync Flood)	
	MAC / IP Filtering	
	ICMP Blocking	
	SPI (Stateful Packet Inspection)	
	DMZ (Demilitarized Zone) Host	
	Policy Based Parental Controls	
	➤ Port Range / Service Filtering	
	➤ Internet Domain Restriction	
	Dynamic URL Filtering (OEM subscription service)	
VPN	VPN pass-through (PPTP, L2TP, IPSEC)	
	□ Power saving(Green technology)	
Wireless	□ Multiple SSID	
	□ 64/128 bit WEP Encryption	
	□WPA Personal (WPA-PSK using TKIP or AES)	
	□WPA Enterprise (WPA-EAP using TKIP)	
	□802.1x Authenticator	
	☐ Hide SSID in beacons	
	□Wi-Fi Protection Setup (WPS)	
	□WDS	
	□ACL control	
	□ Best channel selection	
	□ Speed/Bandwidth monitor	
	WMM	
QoS	Application base	
	➤ P riority Queue	
	➤ B andwidth Allocation	
> Management		
Con figuration	Web-based configuration (HTTP)	
Firmware Upgrade	Via webpage upgrade Auto recovery once firmware upgrade fail	
Administrator Setting	Administrator password change Idle time out	
Reset Setting	Reboot Reset to Factory Default	
System monitoring	Speed and Bandwidth monitoring	
Scheduling	Enable Firewall Enable power saving	
E asy access	User can type model name and access the main page.	
Install wizard	Guide user to set-up Router smoothly	
Remote Management	Optional SNMP or TR069	

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ENVIRONMENT AND PHYSICAL		
Temperature Range	0 to 45° C - Operating -10 to 70 ° C - Storage	
Humidity (non-condensing)	15% ~ 95% typical	
Dimensions	125mm (L) x 98mm (W) x 25mm (H)	

PACKAGE CONTENT
▶ 1 x 3G Mobiile wireless-N Router (ESR6650)
▶ 1 x Power Adapter (12V/1.25A)
▶ 1 x CD with User's Manual
▶ 1 x QIG
▶ 1 x SMA Antenna

Contact

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