

ASUS RT-BE82U BE6500 wireless router 2.5 Gigabit Ethernet Dual-band (2.4 GHz / 5 GHz) Black

Brand : ASUS

Product code: 90IG0990-MO9B00

Product name : RT-BE82U BE6500

WiFi 7 (802.11be), 2.4/5GHz, 2.0 GHz quad-core processor, 256MB Flash, 1GB RAM, USB 3.2 Gen 1, 100 - 240V, 50 - 60Hz, 502 g

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ASUS WiFi 7 Dual-Band Extendable Router, 4K-QAM, MLO, Five 2.5GbE ports, Commercial-Grade Network Security, Parental Control, IoT network, Kid's network and VPN network

Worry-Free Smart Home WiFi 7

Elevate your smart home with blazing-fast dual-band Wi-Fi 7 speeds of up to 6500 Mbps and boosted coverage with AI-boosted Smart AiMesh technology. With next-gen ASUS Network Security and a suite of advanced network technologies such as IoT Network, the RT-BE82U safeguard your network end-to-end, 24/7.

WAN connection		Security	
Ethernet WAN *	✔	Schedule access	✔
DSL WAN *	✘	Parental control	✔
SIM card slot *	✘	Filtering	✔
3G/4G USB modem compatibility *	✔	MAC address filtering	✔
WAN connection type	RJ-45	MAC address table	64 entries
Wireless LAN features		System event log	✔
Wi-Fi band *	Dual-band (2.4 GHz / 5 GHz)	DMZ support	✔
Top Wi-Fi standard *	Wi-Fi 7 (802.11be)	Network address translation (NAT)	✔
WLAN data transfer rate (max) *	6500 Mbit/s	NAT functionality	NAT Passthrough : PPTP Pass-Through, L2TP Pass-Through, IPSec Pass-Through, RTSP Pass-Through, H.323 Pass-Through, SIP Pass-Through, PPPoE relay
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax), Wi-Fi 7 (802.11be)		
WLAN data transfer rate (first band)	688 Mbit/s		
WLAN data transfer rate (second band)	5764 Mbit/s		
Modulation	4096-QAM, OFDMA	Protocols	
Network		DHCP server	✔
		Supported network protocols	PPPoE, PPTP, L2TP, Automatic IP, Static IP
		Design	
		Product colour	Black
Ethernet LAN *	✔	LED indicators	LAN
Ethernet LAN interface type *	2.5 Gigabit Ethernet	Product type *	Tabletop router
Ethernet LAN data rates	10,100,1000,2500 Mbit/s	Packaging content	
Cabling technology	10/100/1000Base-T(X)	Cables included	DC, LAN (RJ-45)
Port forwarding	✔	Antenna included	✔
Port triggering	✔	Warranty card	✔
Dynamic DNS (DDNS)	✔	Quick start guide	✔
Number of guest networks (2.4 GHz)	3	Antenna	
Number of guest networks (5 GHz)	3	Antenna design *	External
VPN server	✔	Antennas quantity	4
VPN support	Instant Guard VPN Client L2TP VPN Client Open VPN VPN Client PPTP VPN Client WireGuard VPN Server IPSec VPN Server Open VPN VPN Server PPTP VPN Server WireGuard	Features	
		Built-in processor	✔
		Processor frequency	2000 MHz

Ports & interfaces		Features	
Ethernet LAN (RJ-45) ports *	4	Processor cores	4
USB port *	✓	Internal memory	1024 MB
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity	1	Flash memory	256 MB
DC-in jack	✓	Safety	✓
Management features		Power	
Bandwidth control	✓	Power source type *	DC
Quality of Service (QoS) support	✓	AC input voltage	100 - 240 V
Wake-on-LAN ready	✓	AC input frequency	50/60 Hz
Reset button	✓	Output voltage	12 V
WPS push button	✓	Output current	3 A
MU-MIMO technology	✓	System requirements	
MIMO	✓	Mobile operating systems supported	Android, iOS
Security		Weight & dimensions	
Security algorithms	SSH, SSID, WPA, WPA2, WPA2-Enterprise, WPA3-Personal, WPS	Width	238 mm
Firewall	✓	Depth	147 mm
Guest access	✓	Height	97 mm
		Weight	502 g
		Packaging data	
		Package width	288 mm
		Package depth	195 mm
		Package height	111 mm
		Package weight	1.13 kg
		Package type	Box



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Catalog Object Cloud



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