

## Datasheet (GL-AXT1800)

# Meet Slate AX

## - Wi-Fi 6 Gigabit Travel Router

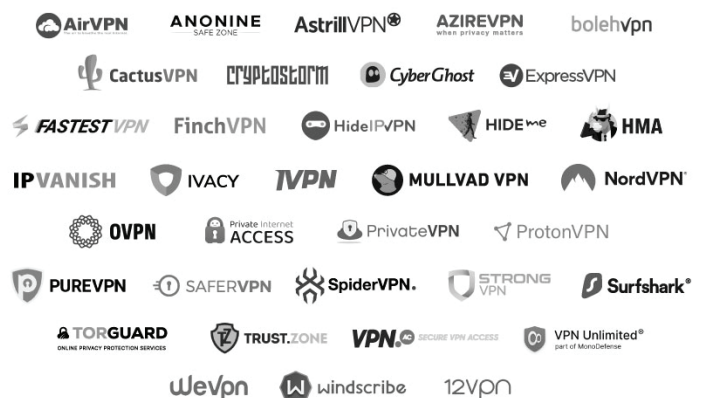


Slate AX (GL-AXT1800) is a next generation highly-secured travel router that provides powerful Wi-Fi 6 network connection. The device runs on the OpenWrt 21.02 firmware (Kernel version 4.4.60) and supports a large capacity TF card storage of up to 512GB for file sharing. Its compact design, easy deployment, and convenience in securing connected devices are perfect for portable use by frequent travelers. Slate AX offers a combined Wi-Fi speed of 1800 Mbps (600 Mbps for 2.4GHz and 1200 Mbps for 5GHz).

## Highlights

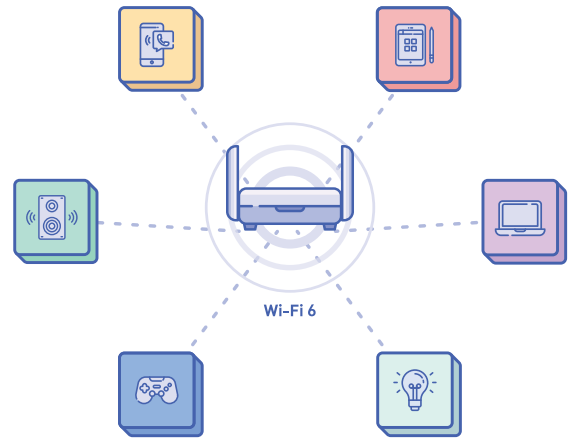
### Ultra-Fast VPN Encryption

Slate AX is pre-installed with OpenVPN (Maximum 120Mbps) and WireGuard® (Maximum 550Mbps) supporting 30+ VPN services. It automatically encrypts all network traffic from devices within the connected network, for protecting your devices when connected to public Wi-Fi in hotels, cafes, and public areas. Slate AX can also act as a VPN server, redirecting traffic from client devices in remote locations to the VPN server via a VPN tunnel before accessing the public internet.



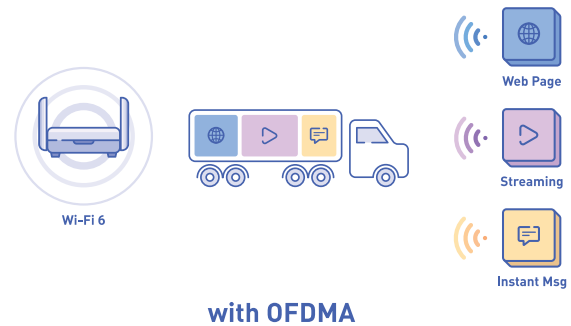
## Mass Device Connectivity MU-MIMO Technology

Slate AX comes with MU-MIMO. It processes multiple data streams from client devices simultaneously, instead of queuing network traffic into one data stream, reducing the queuing delay when a large family or a large number of connected devices are using the same network.



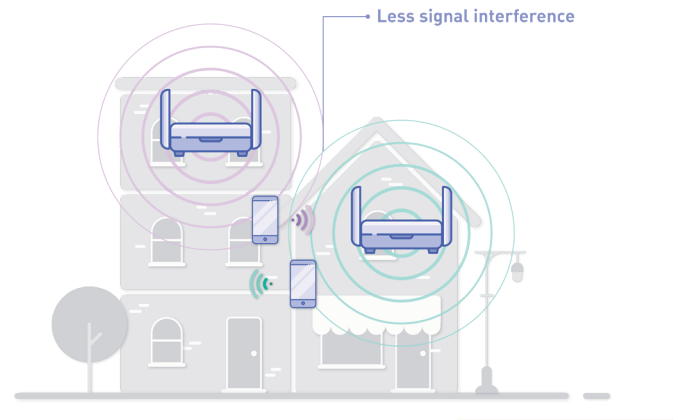
## Multi-device Transmission Efficiency OFDMA Technology

Slate AX comes with OFDMA technology (orthogonal frequency division multiple access). It lets multiple devices receive data from a single transmission, drastically improving the transmission efficiency when used by large families or a large number of connected devices during travel.



## Stability Improvement using BSS Coloring

Slate AX comes with Base Service Station Coloring (BSS Coloring), it measures operating Wi-Fi channel thresholds, and automatically selects a channel with loose thresholds (Minimal usage) for connectivity. BSS Coloring improves the connection stability when the travel router is being used in a high network density location by minimizing the router's risk of potentially picking up signal interference.



## DFS Channel

Slate AX is approved to use Dynamic Frequency Selection, letting the router's 5GHz network use additional frequencies normally reserved by military, satellite, and weather radar applications. The selection of additional channels can lower network congestion under high density network environments.

*Note: Slate AX's DFS is applicable in the US, UK, Europe, and Japan. Frequency 5250-5350 Mhz in Japan is not currently available.*

# Specifications

## HARDWARE

<b>CPU</b>	IPQ6000 Quad-core, @1.2 GHz
<b>Memory / Storage</b>	DDR3L 512MB / NAND Flash 128MB
<b>Wi-Fi</b>	802.11 a/b/g/n/ac/ax, 2x2 600Mbps (2GHz) 802.11 a/b/g/n/ac/ax, 2x2 1200Mbps (5GHz)
<b>External Antennas</b>	2 x 2.4GHz + 5GHz two-in-one Wi-Fi Antennas
<b>Ethernet Speed</b>	10/100/1000 Mbps
<b>Power Consumption</b>	Normal operating consumption: <4.5W Operating at full capacity: <8.75W
<b>Dimension / Weight</b>	125 x 82 x 36mm (L*W*H) /245g

## SOFTWARE FEATURES

<b>Operating System</b>	OpenWrt
<b>Network mode</b>	Routing, AP, Wireless Bridge, Wired Bridge
<b>Ethernet Dialing Mode</b>	DHCP, Static, PPPoE
<b>Repeater Mode</b>	Scans and connects to SSID Connects to hidden SSID

<b>Wireless Configuration</b>	Switching on and off wireless AP Modifying and hiding SSID Modifying encryption mode and password Channel modification Bandwidth modification Modifying transmission power Guest SSID
<b>Firewall Function</b>	Port forwarding, open port, DMZ
<b>VPN</b>	OpenVPN client & server WireGuard client & server Maximum OpenVPN Speed: 120Mbps Maximum WireGuard Speed: 550Mbps Policy routing
<b>System Function</b>	Restart Restore factory settings Change IP address range on LAN side Change time zone MAC address clone Advanced DNS Cloud remote management Remote web management Remote SSH management Installing / uninstalling packages

## INTERFACE

<b>Ethernet Port</b>	2 x LAN, 1 x WAN
<b>SD Card Slot</b>	TF card, maximum 512 GB
<b>USB Port</b>	USB3.0 Type-A
<b>LED Indicator</b>	1 x dual color LED indicator for Power and Internet
<b>Reset Button</b>	Press (>3s, <8s) restores network settings to device initial state Long press (>=8s) restores factory settings
<b>Power Port</b>	USB Type-C interface, 5V/4A power supply

## CERTIFICATION

- CE
- MIC
- WEEE
- FCC
- Rosh
- CCC

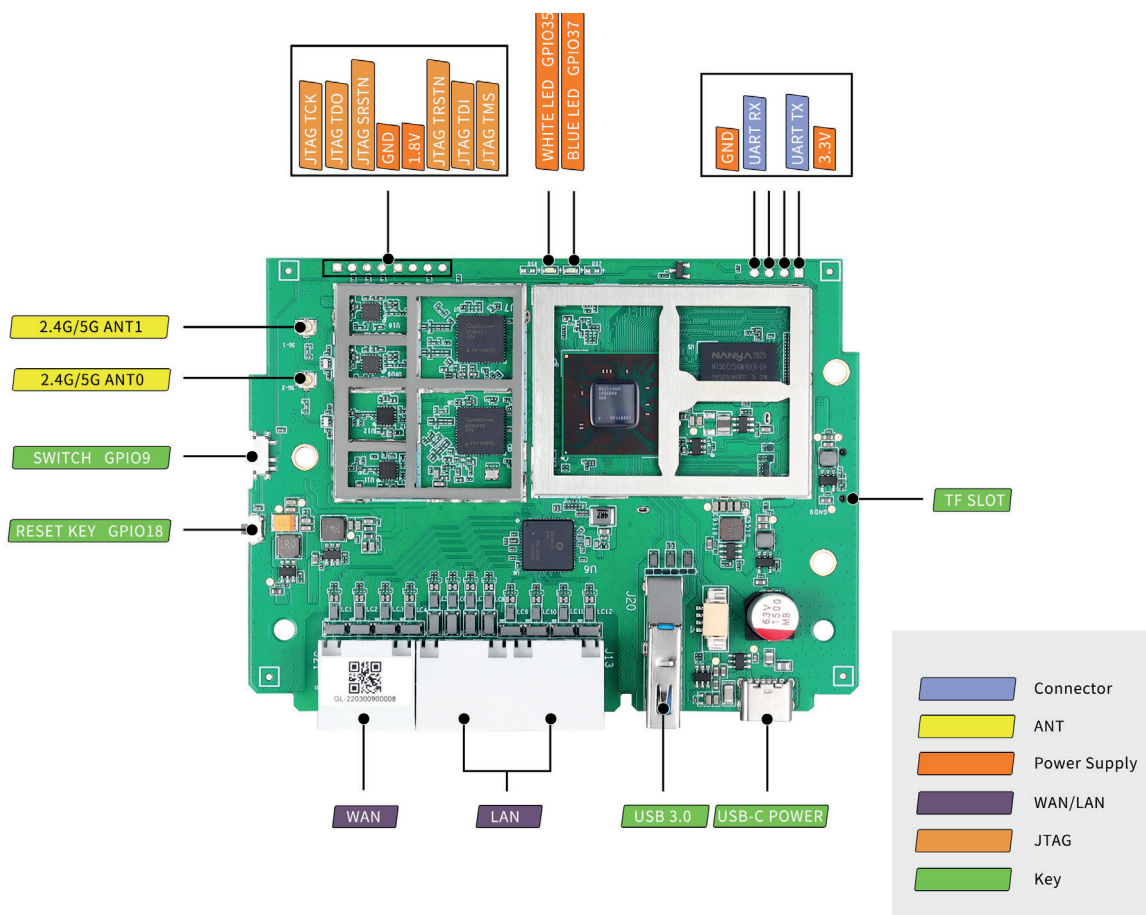
## ENVIRONMENT

<b>Operating Temperature</b>	0 ~ 40°C (32 ~ 104°F)
<b>Storage Temperature</b>	-20 ~ 65°C (-4 ~ 149°F)
<b>Operating Humidity</b>	5%~95%, non-condensing
<b>Storage Humidity</b>	5%~95%, non-condensing

## PACKAGE LIST

- 1 x Slate AX (GL-AXT1800) Router
- 1 x Power Adapter
- 1 x Ethernet Cable
- 1 x Warranty Card
- 1 x User Manual

## PINOUT



## CONTACT US

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