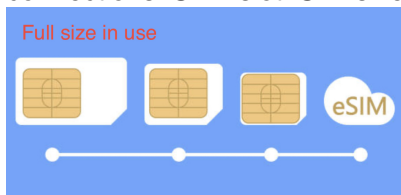# TW-EAV510 Wifi 6Ax , Mesh, 5G 700-3800 Mhz support, VDSL2- modeemi, router, firewall, 4 port switch , port 4 is WAN, DynDNS

## TW-EAV510AC Wifi 6Ax  rouer, firewall, 4G/5G router

**Automatic load balance between all WAN interfaces.**

Suitaple for home and business and any operator connections. SIm -slot  SIM size "normal" size



**Internet gaming, Youtube, Netflix etc  services, banking services , email, Internet surfing.**
ADSL2+ and VDSL2 modem which can be used to creat easily Local Area Network. Firewall is default on,

Wlan access point 1200 Mbps 5 Ghz and 2,5 Ghz, Firewall. Compatibility: All OS and operators. Any VPN server

**Just choose  wanted 5G  or 4G  module in order**

**SMS remote management added since code base 3.44.r8**

**LTE/5G Bridge function if needed for users own firewalls**

**DynDNS support**

# Technical specifications

# New features add into router  15.02.2024

**1. Based on 3.44.r17, Samba enhanced support for big HDD and multiple Samba mount**

## Storage Device Info

This page shows storage device information(Support list: FAT16/FAT32/NTFS/EXT2/EXT3/EXT4)

| Volume Name | File System | Total Space | Free Space | Used Space |
|---|---|---|---|---|
| disk_1 | fat | 201633 | 201619 | 13 |
| disk_2 | ntfs | 3906811900 | 3906590492 | 221408 |

**2. Supported SMS control. (Please refer to SMS control guide_20221128.pdf in attachment.)**

**3. Extend MAC-base numbers(40) in LAN>DHCP**

**4. Modified WiFi key display in WPS page.**

5. Add LTE / 5G bridge

6. Remote  sms management

7. **Security fixes on LAN vulnerability**

Fixed xss_payload issue

-unauthenticated_stored_xss_by_nearby_wifi_ap_ssid

-unauthenticated_stored_xss_by_poisoning_syslog

-open_redirect

-superuser_rce_for_low-level_user

8. Port forwarding rules now  8 - >>> 60 Entry

9. Add  Vodafone / 02 / Infisim DATA roaming support  to any opeator area

**TW-EAV510 Wifi 6 Ax  and ADSL2+ and VDSL2 modem which can be used to create easily Local Area Network**

**Mesh  support  ready since 13.10.2022  and  document for it  at downloads area**

- Automatic ADSL2+ and VDSL2 modem
- 4G/5G: 700- 4000Mhz  based on selected module
- 1200 Mbps WLAN 5 Ghz and 2.4 Ghz 802.11 b/g/n ac

- 4 x 10/100/1000 MbpsLAN port (port 4 defult is ewan usage)
- Firewall
- Layer 3 Load balance
**-Older 4G USB dongles will work partially , at least TeleWell USB CAT 6 is ok used with USB dongle SIM slot**


**4G/5G**
- SIM normal size for LTE/4G/3G (Operator deal needed separately)
- Automatic Internet if APN=internet and PIN security disabled from SIM
- Max speed 800 Mbit/s / 200 Mbit/s
- **Supported frequency:**

**B1- B42**

**Nr1-NR80**


Technical details for xDSL line

VDSL2
- G.993.2 (VDSL2) protocol
- PTM and ATM mode including dual latency
- Both Annex A and Annex B including dual latency
- Profiles supported: 8a/b/c/d, 12 a/b, 17a, 30a, 35b
- US0
- Diagnostics mode/DELT
- Bitswaps, SRA and SOS/ROC
- FEXT equalized UPBO
- Dying gasp
- INM
- G.INP
- G.vector
- Virtual Noise

ADSL2+ and  protocols
- G.992.5 (ADSL2+), G.992.3 (ADSL2), G.992.2 (G-lite), G.992.1 (G.DMT)
- ANSI T1.413
- ATM/PTM mode
- Annex A/L/M
- L2 power management
- Diagnostics mode/DELT
- Bitswps and SRA
- INM
- PhyR and G.INP (framing type 1)

- Virtual noise

**VPN**
- PPTP, L2TP, OpenVPN, IPSec