

TW-EAV510 Wifi 6Ax , Mesh (4G cat 12) xDSL modem, router, firewall

Manufacturing in Finland

Automatic load balance between all WAN interfaces.

Suitable 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 create easily Local Area Network. Automatic ADSL2+ and VDSL2 modem, 4 x 1 Gb Ethernet, **LTE CAT 6** ,

Wlan access point 1200 Mbps 5 Ghz and 2,5 Ghz,
Firewall. Compatibility: All OS and operators. Supports Freedom client apps on LAN side.

Just choose wanted 5G or 4G module in order

Technical specifications

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

- Automatic ADSL2+ and VDSL2 modem
- 4G/5G: 700- 4000Mhz based on selected module
- 1600 Mbps WLAN 5 Ghz and 2.4 Ghz 802.11 b/g/n ac
- 4 x 10/100/1000 Mbps LAN port
- Firewall
- Layer 3 Load balance

4G/5G

- * LTE-A Cat 12 module with M.2 form factor, optimized for eMBB and IoT applications
- * Support DL 3x carrier aggregation and 256QAM
- * Worldwide LTE-A and UMTS/HSPA+ coverage
- * Multi-constellation GNSS receiver available for applications requiring fast and accurate fixes in any environment



* Feature refinements: supports DFOTA and VoLTE

* MIMO technology meets demands for data rate and link reliability in modern wireless communication systems

Quectel EM12-G Module Specifications:

* Form factor: M.2 package

* Category: LTE Cat12

* Carrier Aggregation: 3CA

* LTE Speed: download speed up to 600Mbps

* For Global EM12-G LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B9/B12/B13/ B14/B17/B18/B19/B20/B21/B25/B26/B28/B29/ B30/B32/B66;
LTE-TDD: B38/39/B40/B41

* DL 2xCA: B1+3/5/18/19/20/26; B2+2/4/5/12/13/17/29/30/66; B3+3/5/7/8/19/20/28; B4+4/5/12/13/17/29/30; B5+7/30/66; B7+7/20/28;
B12+30; B13+66; B19+21;
B20+B32; B29+30; B38+38; B39+39; B39+39; B39+41 B40+40; B41+41; B66+66;12,29,30,5; B2+B14;B14+B30;B14+B66; (Note:
B29, B32 is only for secondary component carrier)

* DL 3xCA: DL inter-band 3CA: B1+3+5/7/8/19/20/28 B1+7+20, B2+4+5,B2+4+13, B2+5+30, B2+12+30, B2+29+30 ,B3+7+20,
B3+7+28 , B3+7+8, B4+5+30, B4+12+30, B4+29+30 ,
B5+66+2, B13+66+2, B66+12+30,B66+29+30,B66+5+30; B2+B14+B66; DL 2 intra-band plus inter-band 3CA: B2+2+5, B2+2+13 ,
B3+3+7, B3+7+7, B3+3+20 ,B3+3+28,B3+3+1,
B4+4+5, B4+4+13, B7+7+28, B5+66+66, B13+66+66, B66+66+2, B39+B39+B41; B39+B41+B41; B14+B66+B66 DL 3 intra-band
3CA: B40+40+40, B41+41+41, B66+66+66

* DL 256QAM UL Intra-band Continuous 2xCA: B3+3;B7+7;B38+38;B40+40;B41+41;

* UL 64QAM WCDMA Band: B1/B2/B3/B4/B5/B8/B9/B19

* Data

- LTE-FDD: Max 600Mbps (DL), Max 150Mbps (UL)

- LTE-TDD: Max 430Mbps (DL), Max 30Mbps (UL) U

* MTS: DC-HSDPA: Max 42Mbps (DL)

* HSUPA: Max 5.76Mbps (UL)

* WCDMA: Max 384Kbps (DL),Max 384Kbps (UL)

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

ADSL 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
- Bitswaps and SRA
- INM
- PhyR and G.INP (framing type 1)
- Virtual noise

VPN

- PPTP, L2TP, OpenVPN, IPSec