AP-EVA & STA-EVA

Telsey AP-EVA and STA-EVA are respectively Enhanced Wi-Fi Access Point and Station 802.11n that allow multiple HD video and broadband data streaming over the air.
Installed at the premises of residential or business end users, they enable the simultaneous deployment of innovative services like IP High Definition TV, fast internet access, gaming application and security avoiding any intrusive wiring.
Based on an innovative Wi-Fi 802.11 a-b-g-n MIMO approach with internal antennas, they allow beating the barrier of home cabling for IP TV streaming.

KEY FEATURES

>> 1 Ethernet 10/100T LAN interface

>> IEEE 802.11 a/b/g/n access point /client adapter. 802.11n Draft 2.0 compliant. 2TX streams + 3RX antenna array

>> Internal multiple antennas.

>> Dual band operation (2.4 GHz and 5GHz)

>> High performances, optimised for low BER

>> Easy installation and link quality survey

>> Wireless QoS management

>> Remote Management and Upgrade through Web interface.

>> UPnP and Wireless Protected Setup

BENEFITS

>> Easy connection to Integrated Access Devices, modems, IP Set Top Boxes and media converters

>> High performance WiFi link up to 300 Mbps PHY rates allow HD IPTV multiple streaming inside the house, beating the barrier of ethernet cables.

>> Internal antennas make the device compact and more appealing, preserving at the same time performances.

>> More RF channels available to automatically find the best frequencies to use and avoid interferences.

>> Provides assured 50-100 Mbps with <0.1% BER in a typical 150 m2 flat.

>> Automatic configuration protocol for easy pairing of devices, Vu meter LEDs to help optimal positioning.

>> Provides excellent Quality of Services in a bundled data, gaming and video services environment.

>> Make mass deployment easy and quick.

>> Connecting Consumer Electronic and Wi-Fi devices is easy and quick, allowing multisharing contents inside the house.

AP-EVA & STA-EVA

TECHNICAL HIGHLIGHTS

BROADBAND INTERFACES

> 1 Ethernet 10/100 BaseT half/full duplex autonegotiating&autocrossing RJ-45 connector

WIFI INTERFACES

WiFi standards	>> 802.11n draft 2.0 >> 802.11b, 802.11g	>> 802.11a, 802.11h >> 802.11e, 802.11d, 802.11i, 802.11j
Frequencies	>> 2.4-2.5 GHz >> 5.15-5.85 GHz	>> Automatic Channel selection algorithm
Operating modes	>> 802.11bgn @ 2.4 GHz (compatible with existing 802.11bg WiFi devices) >> 802.11ahn @ 5 GHz (compatible with existing 802.11ah WiFi devices) >> 802.11n @ 2.4 GHz (high performance mode) >> 802.11n @ 5 GHz (high performance, low interference mode)	
PHY features	>> 802.11b: 1,2,5.5,11 Mbps >> 802.11a/g: 6,9,12,24,36,48,54 Mbps >> 802.11n (20MHz): MCS0-15, 32 with Short Guard Interval Support (up to 144Mbps) >> 802.11n (40MHz): MCS0-15, 32 with Short Guard Interval Support (up to 300Mbps) >> 2T3R mode (2TX streams, 3RX MRC-OFDM rank receiver) >> Space Time Block Code (STBC) >> MSDU/PSDU aggregation >> Link adaptation >> Bluetooth Co-existence	
Antennas	>> Three internal high performance dual band antennas >> 2T3R mode with spatial diversity	
QoS	>> 802.11e (WMM, WMM-PS) >> 4 priority queues (voice, video, data, background)	
Security	>> 802.11i >> WEP64 / WEP128 >> WPA / WPA2 >> MAC filtering >> WPS supported with registration button	

DATA

Layer 2	>> Transparent bridging between Ethernet and WiFi interface

VIDEO SUPPORT

>> IGMP v3 proxy
>> multicast to unicast conversion

MANAGEMENT

>> Integrated Web Server	>> Automatic configuration protocol
>> Remote Telnet console	>> Upgradeable via Web Interface
>> Reset Button	>> Factory Default Button

LED INDICATORS

>> WiFi Association indication	>> Eth Link/Traffic indication
>> WiFi Link/Traffic indication	>> Signal quality Vu meter (4LEDs)

POWER SUPPLY

>>12 VDC, with external power adapter 230 Vac, 50 Hz

PHYSICAL DIMENSIONS

>> Width 120mm ; Depth 120mm ; Height 30mm ;

ENVIRONMENTAL CONDITIONS

>> Operation temperature : 5 - 45° C
>> Humidity : 85% (non condensing)
>> Storage temperature : -5 - 55° C