Wireless Access Point

5G I 802.11n

WAP-5835n
Wireless Extender

Comtrend's WAP-5835n is a versatile WiFi-based HD Access Point (AP) designed to reliably distribute multiple High-Definition IP video streams (HD-IPTV) within the home. 5GHz is excellent for wirelessly streaming multiple HD videos, and provides users with a high quality viewing experience while eliminating the need to install new cable wiring.

FEATURES

IPTV Service

Reliable and robust connectivity enables HD and SD IPTV streams from an Ethernet-equipped broadband gateway or DVR to multiple IP set top boxes. Self-installable and fully interoperable with common IPTV servers, middlewares and set top boxes, Comtrend's WAP-5835n allows operators to accelerate deployment schedules and reduce operating expenses by eliminating expensive truck rolls.

Optimized performance

With beam forming MIMO wireless, channel aware transmission shaping, and channel aware packet scheduling, Comtrend's HD Video Extender was developed with carriers and HD TV deployments in mind.

Fast & Secure Connections

Integrated 802.11n WLAN with Wireless Protected Setup (WPS) makes wireless connection setup quick and easy; while WPA2 (AES) encryption guarantees security for increased peace of mind. An Ethernet connection provides access to IPTV streams from the broadband gateway at speeds up to 300 Mbps.

Management

An easy-to-use web-based management interface is built-in for configuration changes, status monitoring, and for additional troubleshooting purposes.

Return on Investment

WAP-5835n is ideal for cost sensitive, high performance Telco and Retail applications such as multi-room digital video recorders (DVR) and WiFi networked set top boxes and TVs.

WAP-5835n

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SPECIFICATIONS

Main Chipset

· Celeno CL1820

Flash and SDRAM

· 4MB Flash + 64MB DDR2 RAM

Hardware

· RJ-45 X 1
· WPS X1
· Power jack X 1
· Internal antenna array with 4 Omni-directional elements

LAN

· 100Mbps, RJ-45 port
· Support MDI/MDX

Frequency Band

· FCC: 5.15~5.25GHz, 5.725~5.85GHz
· CE: 5.15~5.25GHz, 5.25~5.35GHz, 5.47~5.725GHz

Modulation

· OFDM with BPSK, QPSK, 16QAM, 64QAM (11n)
· OFDM with BPSK, QPSK, 16QAM, 64QAM (11a)

Data Rate

· 11n (20MHz):MCS0-15, up to 144Mbps
· 11n (40MHz): MCS0-15, up to 300Mbps
· 11a: 54/48/36/24/18/12/9/6
· Auto fallback

Management

· Configuration: Web-based GUI, CLI(Telnet), TR-069
· Software upgrade: Web-based
· SNMP

Security Functions

· WEP 64/128, WPA, WPA2

Power Supply

· Input: 100-120, 220-240VAC, 50-60Hz
· Output : 12V, 1A

Environmental Operation Requirements

· Operating Temperature: 0ºC~40ºC
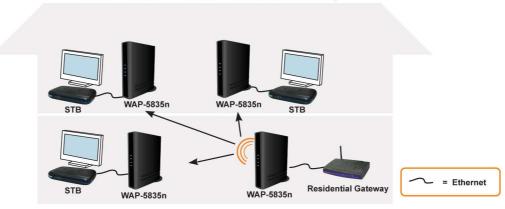· Operation Humidity: 10%~90% (Noncondensing)

Dimensions

· 46(H) x 130(W) x 153(D) mm

LED Display

· Power, LAN, WPS, Wireless

IPTV WiFi Home Networking

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