ExtremeWireless™ TW-522 Wall Plate Access Point

802.11ac Dual-Radio AP — Deliver Cost-Effective In-Room High-Speed Wi-Fi Service Over Your Existing In-Room Telephone Lines and Take Service to the Next Level

BENEFITS

INDUSTRY

- Hospitality

IN-ROOM HIGH-SPEED WI-FI

- Affordable Way to Deliver In-Room High-Speed 802.11ac Wi-Fi and Locationing Services

- Patented Industry-Leading Technology

- Dual Radios To Meet Increased Capacity Demands

- "Invisible" Design Blends Into Your Environment

- All the In-Room Connections You Need

- Installation Is A Snap

- "Set It and Forget It" Technology: No Need to Worry About Ongoing Maintenance, Updates, or Outages On A Room-By-Room Basis.

- Tamper-Proof: Self-Contained, with A Double-Latch Design and No Accessible Cables

Product Overview

You need to provide in-room Wi-Fi access in your large campus environment — but the cost of installing a WLAN that can deliver dependable service in hotel rooms, dorm rooms, or assisted living apartments has been prohibitive. Now, you can provide high-speed Wi-Fi services and more in the largest campus-style environments quickly, easily, and cost-effectively with the TW-522. An integral component in the Extreme Networks T5 system, the TW-522 delivers high-performance Wi-Fi access over your existing in-room telephone line — no CAT5 cabling required. With 802.11ac, you get maximum speed and maximum bandwidth to support all of your users and all of their many mobile devices. And the TW-522 installs in minutes, right over the existing wall plate. The TW-522 — the easy way to deliver high-speed in-room Wi-Fi service in record time — with minimal costs.

PATENTED INDUSTRY-LEADING TECHNOLOGY

The TW-522 utilizes standard VDSL2 in conjunction with Extreme's TS 524 switch includes patented Line Power over VDSL to deliver superior in-room Wi-Fi performance over your existing in-room telephone wire.

DUAL RADIOS TO MEET INCREASED CAPACITY DEMANDS

Not only is there a dramatic increase in types of mobile devices, there is also an increase in the number of devices per user — a guest or tenant often has a smartphone and tablet or laptop computer. No matter how many devices you need to support, the TW-522 is ready for the job. Dual radios enable concurrent support for 2.4GHz and 5GHz mobile devices. And the 802.11ac radio increases the wireless network capacity and growth to support up to four times more mobile devices than typical legacy networks.

Extreme®
Connect Beyond the Network

"INVISIBLE" DESIGN BLENDS INTO YOUR ENVIRONMENT

The TW-522 hides in plain sight in the room — designed to cover the existing phone jack, it blends right into the wall.

ALL THE IN-ROOM CONNECTIONS YOU NEED

In addition to 802.11n Wi-Fi access, the TW-522 provides two 10/100MB managed Ethernet ports and a pass-through RJ-11 port for an in-room analog telephone.

INSTALLATION IS A SNAP

Installation is fast and easy. All you need is a screwdriver — no special tools or in-room CAT5 wiring are required.

"SET IT AND FORGET IT" TECHNOLOGY

Once installed, the TW-522 is powered, adopted, provisioned, and monitored by the TS-524 PowerBroadband Switch located in the central wiring closet. For integration into a large managed network with different types of access points, the TS-524 PowerBroadband Switch can be managed in the Network Operations Center through ExtremeWireless WiNG NX 7500, NX 9600, or VX 9000 controllers. In both scenarios, the RF environment is constantly monitored and optimized in real time for best performance — no need to worry about ongoing maintenance, updates, or outages on a room-by-room basis.

TAMPER-PROOF

The snap-on Wall Plate access point is completely self-contained, with a double-latch design and no accessible cables. Even the LEDs can be turned off remotely to avoid disturbing the tenant or hotel guest.

Specifications

PRODUCT FEATURES	TW 522
PHYSICAL CHARACTERISTICS	
Dimensions	4.9 in x 3.6 in x 1.2 in 124 mm x 92 mm x 32 mm
Weight	12 oz / 0.34 kg
Power	Line Powered or DC Power: 12VDC, 8W
Wireless Interface	Dual Radio; 802.11a/b/g/n/ac; 2.4 GHz or 5.2 GHz
LAN Ethernet Port	2x IEEE 802.3 10\100Mb Auto-Sensing via 8-Pin Header
Uplink UTP	1 x RJ11 UTP, VDSL2
LEDs	System Power
Pass-Through	Filtered RJ11 Port
Mounting Configurations	Wall Mount Bracket and RJ11 Cable
RADIO CHARACTERISTICS	
Wireless Medium	DSSS, OFDM, MIMO
Network Standards	802.11a, 802.11b, 802.11g, 802.11n draft 2.0; 802.11ac; 802.11i, 802.11-2007
Data Rates	**802.11b:** 1, 2, 5.5, 11Mbps **802.11g:** 6, 9, 12, 18, 24, 36, 48, 54Mbps **802.11a:** 6, 9, 12, 18, 24, 36, 48, 54Mbps **802.11n:** MCS 0-15 up to 300Mbps **802.11ac:** MCS 0-9 up to 400Mbps
Operating Frequencies	**2.4GHz:** 2412 — 2472 MHz **5.2GHz:** 5150 — 5850MHz Actual Operating Frequencies Depend on National Regulatory Limits
Transmit Power Settings	1dBm to 20dBm, in 1dB Incremental Actual Tx Power dependent on National Regulatory Limits
Antenna Configuration	Two Internal Omni-Directional, 1 x 2 or 2 x 2 MIMO Operation
QoS	• **Classification:** Dynamic IP TOS/802.1P COS, Port-Based • **Buffer Management:** WRED; Transmission • **Queues:** Four Queues with Administrator Defined WFQ, Rate Shaping, Strict Priority
VLANs	802.1 Q Tagged VLANs, Access Points
Management	Access: via TS-524 Switch for Normal Operation, HTTP Access for Site Survey Standalone Operation

PRODUCT FEATURES	TW 522
USER ENVIRONMENT	
Operating Temperature	32° F - 122° F/0° C - 40° C ambient temperature, 5% to 90% non-condensing
tW-5xx Compliance	• FCC 15.247, 15.407 / EN300 328, EN 301 893 UL EU EN 60950-1 2nd Ed., ANZ C-Tick • FCC Part 15 Subpart A, EN 55022: 2006 + A1: 2007, ICES – 003 (Class A) • EN 55024: 1998 + A1: 2001 + A2: 2003 • EU RoHS Directive 2002/95/EC CE, IC, FCC
REGULATORY	
Product Safety Certifications	• FCC 15.247, 15.407 / EN300 328, EN 301 893 UL EU EN 60950-1 2nd Ed., ANZ C-Tick • FCC Part 15 Subpart A, EN 55022: 2006 + A1: 2007, ICES – 003 (Class A) • EN 55024: 1998 + A1: 2001 + A2: 2003 • EU RoHS Directive 2002/95/EC CE, IC, FCC

Warranty

As a customer-centric company, Extreme Networks is committed to providing quality products and solutions. In the event that one of our products fails due to a defect, we have developed a comprehensive warranty that protects you and provides a simple way to get your products repaired or media replaced as soon as possible.

For full warranty terms and conditions please go to: support.extremenetworks.com

Service and Support

Extreme Networks provides comprehensive service offerings that range from Professional Services to design, deploy, and optimize customer networks, with customized technical training, to service and support tailored to individual customer needs.

Please contact your Extreme Networks account executive for more information about Extreme Networks Service and Support.

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