

# WCPEn-2400-I

## Benefits

Easy to use and cost effective, the WCPEn-2400-I incorporates an extremely powerful radio to deliver high quality residential and small business broadband wireless access services. Functioning as a repeater or as a CPE, the WCPEn-2400-I enables indoor Wi-Fi service from Alvarion's WBSn outdoor carrier-grade Wi-Fi base station for distances of up to 500 meters.

WCPEn-2400-I is simple enough for self-configuration while enabling rapid service deployment and delivering a high quality user experience.



WCPEn-2400-I

*As far as Wi-Fi can go*

## High Performance Indoor Wi-Fi CPE

Optimal for residential and small business access.

### Overview

- **Wireless 802.11n technology**

WCPEn-2400-I uses advanced 2x2 MIMO with two spatial data streams delivering up to 300 Mbps data speeds

- **Beamforming 802.11n, Interference Immunity**

WCPEn combines Alvarion's two-way Beamforming and interference immunity technologies, leveraging on over 15 years of significant Wi-Fi deployment in challenging conditions of NLOS and interference

- **Superior indoor coverage**

High-power transmission and reception sensitivity

- **Four modes of operation**

Client bridge

Client router with NAT

Dual-zone bridge

Dual-zone router with NAT

- **Straightforward performance upgrades**

Enabled by replacing the default detachable antenna with a higher gain antenna

- **Cost effective solution**

Offers a complete and cost effective wireless broadband solution, together with the Alvarion carrier-grade Wi-Fi WBSn base stations

- **Desktop and window mounting options kit**

Included in the package are easy to install kits, offering easy desktop and window installation, thereby optimizing maximizing network performance and user satisfaction

## Specifications

### International Corporate HQ

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### Category Radio

### Item

Standards

### Description

Wireless: IEEE 802.11b/g/n  
Channel Bandwidth 20Mhz or 40Mhz for 802.11n  
Data Rate  
802.11b: up to 11 Mbps  
802.11g: up to 54 Mbps  
802.11n: up to 300 Mbps  
Frequency Range  
2400-2483 MHz, 13 channels\*  
Max EIRP\*\*  
34 dBm (OFDM, CCX and HT20/40 @ MCS0)  
Max Sensitivity for 802.11b/g/n  
802.11n HT20: -94 dBm @ MCS0  
[typically @PER < 10% packet size  
802.11n HT40: -93 dBm @ MCS0  
1024 @ 25°C +/- 5°C]  
802.11g: -95 dBm @ 6 Mbps  
802.11b: -101 dBm @ 1 Mbps

\* Pending regulation domain

\*\*Actual EIRP may be reduced in order to comply with local regulations (FCC, ETSI, etc.)

### Antenna Type

2 x 2.4Ghz 5dBi with RP-SMA connector

### Hardware

Interface  
10/100 Ethernet port with auto-sensing MDIX  
LEDs status  
Power/Status, LAN, WLAN, Signal strength  
Power Supply  
12VDC and 1A, (Optional PoE)

### Software

Security  
Open, WEP (64-bit / 128-bit),  
WPA and WPA2 - personal  
Management  
SNMPv2c, Standard HTTP/HTTPS  
QoS  
WMM classification, DSCP and 802.1P P-Bit classification  
Protection modes  
CTS-RTS, Self-CTS, RTS threshold  
Tunneling  
PPPoE, VPN pass-through, IPSec, L2TP  
Filtering  
Support MAC ACL

### Client Station Supported in Dual-Zone Mode

up to 15\*\*\*

\*\*\*The Actual concurrent users and service quality depend on actual air environment

### Approvals and Certifications

FCC CFR 47 part 15, ETSI EN300328,  
EN301489, CE, ROHS, WEEE,  
NL, Wi-Fi Certification

### Environment Spec.

Humidity  
5%~98% non-condensing  
Operating temperature  
0°C ~ +40°C  
Storage  
-10°C ~ +65°C  
Dimension  
129x134x30mm

## Product Ordering Information

### Model

12450101

### Product Name

WCPEn-2400-I11-US

### Description

Alvarion indoor dual-zone 802.11n. FCC compliant. US-plug  
(type A) AC adapter

12450202

WCPEn-2400-I12-EU

Alvarion indoor dual-zone 802.11n. ETSI compliant. EU-plug  
(type C) AC adapter

12450103

WCPEn-2400-I11-UN

Alvarion indoor dual-zone 802.11n. Universal mode.  
US-plug (type A) AC adapter

12450203

WCPEn-2400-I12-UN

Alvarion indoor dual-zone 802.11n. Universal mode.  
EU-plug (type C) AC adapter



### About Alvarion

Alvarion Ltd. (NASDAQ:ALVR) provides optimized wireless broadband solutions addressing the connectivity, coverage and capacity challenges of telecom operators, smart cities, security, and enterprise customers. Our innovative solutions are based on multiple technologies across licensed and unlicensed spectrums. (www.alvarion.com)



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