

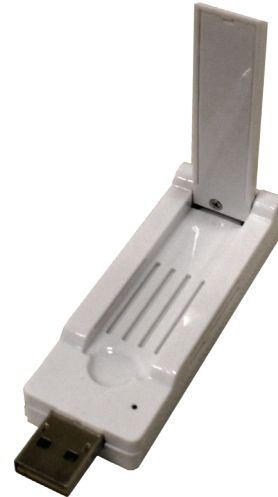
# VXT250 Wireless LAN USB Adaptor



## High Performance 802.11n 450Mbps USB 2.0 Adaptor with Digital Beam Forming for Video Streaming

Celeno's VXT250 Wireless dual band USB Adaptor is designed to provide wireless connectivity to set top boxes (STBs) and media players, enabling them to wirelessly connect to broadband gateways and central DVRs (cable or satellite) and receive IPTV linear TV, VoD programs and over-the-top content among others.

Aimed at satellite broadcasters, cable operators and Telco TVs, the VXT250 USB adaptor provides a high performance yet cost effective solution that will help drive market adoption of wireless set top boxes. The VXT250 adaptor is the first USB 3x3 450Mbps solution in the market with digital beam forming and Celeno OptimizAIR™ technology package, providing a robust solution that maximizes range and coverage.



### Cost Effective HD Experience

- Universal USB plug & play solution that easily connects to any set top box, DVR or other device with a
- USB connection
- Wire-like HD video experience
- Whole home coverage without dead spots
- Superior interference immunity and trouble-free co-existence with neighboring systems
- Solves throughput bottleneck for wireless multi-room DVR support

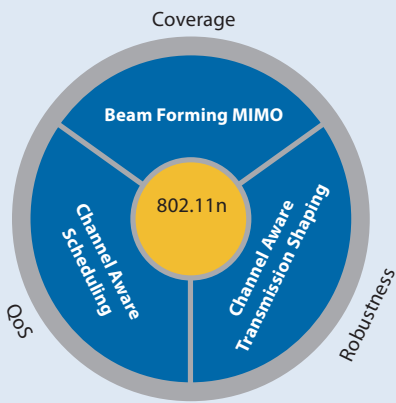
### Video-Grade Feature Set

- 2.4GHz/5GHz dual band
- Superb performance
  - Real time Transmit Digital Beam Forming MIMO
  - Up to 3 spatial streams - 450Mbps physical Wi-Fi speed
  - Optimized rate selection for video traffic
  - Low power consumption
  - Client-to-client direct connections (TDLS)
- 20MHz/40MHz channel bandwidth
- WiFi Compliant: WPA2/WMM/WMM Power Save/WPS
- WPS for simple setup and security configuration

## Specifications

- Product:** VXT250
- Main Chipset:** CLR250
- Bus Type:** USB 2.0 Type A
- Frequency Band:** 2.4000~2.4835GHz (subject to local regulations)  
5.150~5.825GHz (subject to local regulations)
- Data Rate:** 11a: up to 54Mbps  
11b: up to 11Mbps  
11g: up to 54Mbps  
11n (20MHz): MCS0-23, up to 216Mbps  
11n (40MHz): MCS0-23, up to 450Mbps
- Antenna:** 2 internal antennas plus 1 external antenna (3T3R)
- Dimension:** 87.1 (L) x 26.6 (W) x 18 (H) mm (TBC)
- Temperature:** Operating: 32~104°F (0~40°C), Storage -4~140°F (-20~60°C)

### OptimizAIR™ - Breakthrough Technology for Best Performance



Celeno CLR250 employs cross-layer optimization of special PHY, MAC and smart antenna technologies to achieve dramatic increases in range and coverage, typically exceeding off the shelf 802.11n systems' HD performance by over 500%.

Industry-first Phased-Array transmit beam forming MIMO technology delivers long reach and high HD throughput with zero packet error rate. Unlike other solutions, the CLR250 is completely channel aware with special silicon-based real-time processing that optimizes performance. It manages the radio power budget, transmission rate and detects noise levels to optimally deliver multiple HD video streams in the home.



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