



Ubee™ DOCSIS 2.0

802.11n Wireless eMTA

Model: **DVW2110**

DVW2110 Device Highlights



Convergence — The DVW2110 reduces operational expenditure (OPEX) by eliminating the need for multiple devices in the home or office.



Advanced Wireless and Voice — The DVW2110 provides a maximum of 4 SSIDs that offer considerable flexibility for the customer's wireless network. The DVW2110 also offers 1 analog telephone connection, blending subscriber telephony, wireless networking, and Ethernet LAN into one device.



Security — The DVW2110 delivers the latest security authentication and encryption standards to prevent unauthorized access to the wireless network. These include WPA/WPA2, WPS, and SPI Firewall.



Network Interface — One 10/100 Ethernet interface provides compatibility and performance. IPv4 and IPv6 support enables increased address capacity and improved security.



DVW2110 Wireless eMTA

Overview

Ubee's market leadership in wireless technology is further demonstrated with the introduction of the **DVW2110 Wireless eMTA**. The DVW2110 is specially designed for residential subscribers who have—or may choose to have—cable modem, wireless, and voice services. Additional features include:

- ❑ **QoS** — The DVW2110 Quality of Service (QoS) features enable traffic prioritization for delay-sensitive multimedia services and applications.
- ❑ **Power Savings** — The DVW2110 utilizes WMM power savings and management technology that interact with connected wireless clients prompting them to doze and save power whenever possible. The DVW2110, for example, buffers downlink data until the client awakes.
- ❑ **Cost** — By leveraging the latest developments in technology, significant efficiencies in power conservation and design are achieved, making the DVW2110 a leader in converged services, product reliability, performance, and value. With just one device needed for data, voice, and wireless services, operational costs of ownership for MSOs are significantly less than supporting multiple CPE devices in the home.

Let's Make It Easy

Combined with world-class engineering and manufacturing, Ubee's core principle is to make it easy to work with our products. Through the entire lifecycle of our devices—from implementing requirements, staging, and deployment, to operational support and the user experience—Ubee makes it easy. Contact a Ubee Product Specialist for more information on the **DVW2110 Wireless eMTA**.

let's make it *easy*

www.ubeeinteractive.com

8085 S. Chester Street, Suite 200
Englewood, CO 80112
1.888.390.8233

Sales (email): amsales@ubeeinteractive.com
Support (email): amsupport@ubeeinteractive.com

DVW2110 Product Specifications

Interfaces & Standards

- Cable: F-Connector, Female
- Telephone: 1 RJ 11 Port
- LAN: 1 10/100Mbps RJ-45 Port
- One detachable antenna
- DOCSIS 2.0/1.1/1.0 Compliant, Packet Cable 1.5/1.0 Compliant
- FCC/UL Certified, ENERGY STAR®-compliant power supply



Downstream*

- Frequency Range: 88MHz ~ 860 MHz
- Modulation: 64/256 QAM, Channel Bandwidth: 6 MHz
- Max. Data Rate: 30Mbps (64QAM), 42.8Mbps (256QAM)
- RF Input/Output Power: -15 to +15 dBmV
- Input Impedance: 75 Ω
- Symbol Rate: 5.057/5.361/M symbols/sec

Upstream*

- Frequency Range: 5 MHz ~ 42 MHz
- Modulation A-TDMA: QPSK, 8, 16, 32, 64QAM.
S-CMDA: QPSK, 8, 16, 32, 64, 128QAM.
TDMA: QPSK, 16QAM
- Max Data Rate: 0.32 ~ 10.24Mbps (QPSK: 4QAM), 0.64 ~ 20.48Mbps (16QAM), 0.96 ~ 30.72Mbps (64QAM)
- RF Output Power: TDMA/ATDMA: +8dBmV to +54dBmV (32/64 QAM). ATDMA Only: +8dBmV to +55dBmV (8/16 QAM), +8dBmV to +58dBmV (QPSK). S-CDMA: +8dBmV to +53dBmV (all modulations)
- Symbol Rate: 160, 320, 640, 1280, 2560, 5120 Ksps

Device Management

- WMM Power Save Technology (UAPSD) for Efficient Power Management of Wireless Devices
- Supports Local or Remote Management via Telnet, HTTP, SNMP, VSIF, and SSH

Voice

- Line Voltage On-Hook: -48 Volts, Loop Current: 25-40mA
- Ring Capability: 5REN, Hook State Signaling: Loop Start
- Supports G.711-ulaw, G.711-alaw, G.723.1, BV16, ILBC, G.726-16, G.726-24, G.726-32, G.726-40, G.728, G.729, G.729E, G.729A, G.729B, TELEVENT, T.38/DTMF Relay (RFC2833). Additional customization available on request.
- RTP/RTCP for Voice Stream Control
- Dual Mac Built-In and Dual DHCP IP
- Dynamic QoS for Voice Stream IP Precedence and Signaling Protocol
- CLASS Call and Voice Mail Features Support
- Echo Cancellation (G.165, G.168)
- DTMF Pulse Detection and Generation (RFC 2833)
- Supported RFCs: 3435; 3261; 3262

Security, Wireless, Network

- VPN pass-through and VPN end-point (IPSec/L2TP/PPTP)
- NAT Firewall, MAC/IP/Port Filtering, Parental Control, Stateful Packet Inspection (SPI), DoS Attack Protection, WPS/ WPA/ WPA2/ WPA-PSK & 64/128-bit WEP Encryption
- Maximum of 4 SSIDs
- 802.11b/g/n Compliant with Wireless Link Speeds up to 65 Mbps*
- WiFi Single Band (2.4GHz)
- DHCP Client/Server & Static IP Network Assignment, RIPv1/ v2, Ethernet 10/100/BaseT, Full-Duplex Auto-Negotiate Functionality, IPv4 and IPv6
- TACAS and RADIUS Authentication

Physical and Environmental

- Dimensions: 7.75in(w) x 5.4in(h) x 1.4in(d)
- Power Consumption: Maximum 8W
- ENERGY STAR® Compliant Power Supply: 12V @ 1.0A
Input Power: 100-120VAC, 50-60Hz, or 200-240VAC, 50-60 Hz
- Operating Temperature: 0°C ~ 40°C (32° F to 104° F)
Humidity: 5~95% (non-condensing)

*Actual speeds will vary based on factors including network configuration and service tier.

