ubee ™

Wireless **Cable Router**
Model: DDW2600

Overview

The Ubee DDW2600 Wireless Cable Router is designed to support both the residenti al and commercial users in one device! Based on an 800+ DMIPS processor, offering 4 wireless SSID's, the DDW2600 will address the needs for Fixed Mobile Convergance (FMC), and Unlicensed Mobile Access (UMA). This is a perfect solution for MSOs looking to use one device to service both their commercial and residential wireless customers.

Key Features & Benefits

• Multiple Wi-Fi SSID's
Multiple SSIDs enables Fixed Mobile Convergence (FMC), public and private networks, and shared SSID's for the MSOs use.

• Robust Security
Stateful Packet Inspection Firewall that supports TCP/UDP inspection, DoS (Denial of Services) detection and prevention, real time alert, reports and logs.

• Advanced Routing Features
With the ability to enable VPN, ACL's, RIPv2, multiple subnets, 1:1 NAT, and many more MSOs can successfully place the Wireless Cable Router into any commercial and residential environment.

• Increased Memory
With 32MB DDR Ram on board, Ubee has the capability to add features and functionality to fit the MSOs needs.

• Dynamic DNS (DDNS)
End users will have the ability to choose their own Internet Address (DNS), eliminating the need to remember IP addresses. This will allow for easier VPN and remote access operation.

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Product Specifications

○ Hardware
- Cable Interface: F-Connector, female
- CPE Network Interface: USB 1.1 and 10/100 Based-T RJ-45 Port
- Dimensions: 7.75in(w) x 5.4in(h) x 1.4in(D)
- Power Consumption: Maximum 8W
- Power Supply: 12V @ 1.0A
- Input Power: 100-240 VAC, 50-60 Hz
- Operating Temperature: 0° C to 40° C (32° F to 104° F)
- Operating Humidity: 5 to 95% (non-condensing)

○ Downstream
- Frequency Range: 88MHz ~ 860MHZ
- Modulation: 64/256 QAM
- Maximum Data Rate*:
    30Mbits/sec (64QAM)
    42.8Mbits/sec (256QAM)
- Symbol Rate: 5.057/5.361/Msymbols/sec
- RF Input/Output Power:
    -17 to +15dBmV (64 QAM),
    -15 to +17dBmV (256 QAM)
- Input Impedance: 75 Ω
- Channel Bandwidth: 6 or 8 MHz

○ Upstream
- Frequency Range: 5MHz ~ 42MHz
- Modulation:
    A-TDMA:QPSK, 8, 16, 32, 64QAM
    S-CMDA:QPSK, 8, 16, 32, 64, 128QAM
- Maximum Data Rate*:
    0.32 ~ 10.24Mbits (QPSK)
    0.64 ~ 20.48Mbits (16QAM)
    0.96 ~ 30.72Mbits (64QAM)
- Symbol Rate: 160, 320, 640, 1280, 2560, 5120 Ksymbols/sec

○ RF Input/Output Power
- A-TDMA: +8dBmV ~ + 58dBmV (QPSK)
        +8dBmV ~ + 55dBmV (QAM)
        +8dBmV ~ +54dBmV (32/64)

○ Wireless
- Standards: IEEE 802.11; 802.11b/g; DSSS
- Transmit Power: 18dBm
- Operating Frequency: 2400~2497MHz ISM band
- Data Rate: 1, 2, 5.5, 6, 9, 11, 12, 24, 36, 48, &54 Mbps
- Frequency Range: 11 channels (2.412 to 2.462GHz)
- Antenna: External

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

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1.888.390.8233