



let's make it **easy**

Wireless Cable Router

Model: DDW2600

Overview

The Ubee DDW2600 Wireless Cable Router is designed to support both the residential 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 Convergence (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, Ambit 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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