Ubee introduces the DDW366 Dual-Band Concurrent Wireless Gateway. The DDW366 blends high-speed LAN capabilities with the convenience of wireless networking in one device. The DDW366 is well-suited to deliver multiple networking capabilities to the contemporary demands of residential and Small Office/Home Office (SOHO) subscribers. The DDW366 reduces operational expenditures (OpEx) by eliminating the need for multiple devices in the home/office or the MSO warehouse. Additional features include:

- **Speeds and Compatibility** - By supporting Gigabit Ethernet and 802.11n, the DDW366 offers LAN and enhanced wireless speeds to take advantage of higher speed tiers offered by DOCSIS 3.0. The DDW366 is fully backwards compatible with 10/100 Ethernet, 802.11 b/g wireless, and DOCSIS 1.x/2.0 standards.

- **QOS** - Quality of Service (QOS) features enable traffic prioritization for delay-sensitive multimedia services and applications.

- **Power Savings** - UAPSD power savings. UAPSD interacts with connected wireless clients, prompting them to doze and save power whenever possible. The DDW366, for example, buffers downlink data until the client awakens.

- **Miscellaneous** - Energy Star compliant. File sharing, DLNA and network setup.

**Let’s Make It Easy**

Combined with world-class engineering and manufacturing, Ubee’s core principle it to make it easy to work with our products. Through the entire life cycle 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 DDW366 Dual-Band Concurrent Wireless Gateway.
# DDW366 Product Specifications

## Interfaces & Standards
- **Cable**: F-Connector, female
- **USB**: 1 USB 2.0 Host Port
- **LAN**: 4 10/100/1000 Mbps RJ-45 Ports
- **DOCSIS 3.0** certified
- **DOCSIS 1.0/1.1/2.0** certified
- **CE/FCC Class B, Energy Star Certified, WiFi Alliance Certified**

## Downstream*
- **Frequency Range**: 88MHz ~ 1002MHz
- **Modulation**: 64 / 256 QAM
- **Channel B/W**: 6 MHz
- **Maximum Data Rate per Channel** (up to 8 channels): DOCSIS = 30 Mbps (64 QAM), 42 Mbps (256 QAM)
- **Total Max Bandwidth** (8 Channels): DOCSIS = 343 (304) Mbps
- **Symbol Rate**: 6952 Ksps
- **RF Input Power**: -15 to +15dBmV (64 QAM), -15 to +15dBmV (256 QAM)
- **Input Impedance**: 75 Ω

## Upstream*
- **Frequency Range**: 5MHz ~ 42MHz
- **Modulation A-TDMA**: QPSK, 8, 16, 32, 64QAM, S-CDMA: QPSK, 8, 16, 32, 128QAM
- **Max B/W of 4 Channels** = 122.88 (108) Mbps, B/W Per Channel (up to 4 channels) = [QPSK 0.32 ~ 10.24 Mbps, 8 QAM 0.48 ~ 15.36 Mbps, 16 QAM 0.64 ~ 20.48 Mbps, 32 QAM 0.80 ~ 25.6 Mbps, 64 QAM 0.96 ~ 30.72 Mbps, 128 QAM/TCM 30.72 Mbps]
- **Symbol Rate**: 160, 320, 640, 1280, 2560, 5120 Ksps
- **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)

## Enhanced Wireless, Network, & Security
- **Supports 8 SSIDs**, 802.11b/g/n compliant with link speeds up to 900 Mbps (450+450), 3 Tx and 3 Rx antennas with dual-band (2.4GHz and 5GHz) concurrent radios
- **DHCP client/server & static IP network assignment, RIPv1/v2, Ethernet 10/100/1000 BaseT, full-duplex auto-negotiate functionality, IPv4 and IPv6 support**
- **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**
- **VPN pass-through and VPN end-point support (IPSec/ L2TP/PPTP), TACACS or RADIUS authentication**

## Device Management
- **Supports IEEE 802.11e WiFi Multimedia (WMM) and UAPSD (power savings)**
- **DOCSIS, Web-based, and XML configuration**
- **Telnet/SSH remote management**
- **Firmware upgrades via TFTP**
- **Configuration backup and restore**
- **SNMP support**
- **TR-069 capable**

## Physical and Environmental
- **Dimensions**: 284 (W) x 283 (D) x 53 (H) mm
- **Weight**: 770 g (Contains PSU)
- **Power**: 100-120 Vac, 50-60 Hz, 0.9A Max
- **Operating Temperature**: 0℃ ~ 40℃
- **Humidity**: 5 ~ 90% (non-condensing)

*Actual speeds vary based on factors such as network configuration and service tier.*

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![Diagram](image-url)