

# CDW-31235

## DOCSIS 2.0 WIFI GATEWAY

Intel® Puma™ 3 w/802.11n 2x2

DOCSIS 2.0

802.11n 2x2 2.4 GHz

Multiple SSIDs - 8 SSIDs



### ALWAYS-ON, HIGH-PERFORMANCE INTERNET CONNECTION

The Hitron CDW-31235 delivers speeds of up to 43 Mbps over its DOCSIS interface. The integrated one-port Ethernet switch and WiFi 802.11n 2T2R 2.4 GHz Access Point enable easy home networking.

### HIGH THROUGHPUT, POWER-EFFICIENT WIRELESS MULTIMEDIA

The CDW-31235's IEEE 802.11n WiFi Multimedia (WMM) capacity enables audio, video and voice applications to run smoothly over the wireless network with high priority. Its UAPSD power saving features significantly reduce its resource requirements.

### SIMPLY SECURE WIRELESS NETWORKING

The CDW-31235 supports pre-configured and pre-enabled WiFi security via GUI-based WiFi Protected Setup (WPS), allowing the end-user to rapidly set up a secure wireless network without manual configuration.

### KEY FEATURES

- DOCSIS 2.0 compliant
- 802.11n 2T2R 2.4 GHz Wi-Fi Access Point
- Browser-based configuration and management (for end-user parameters)
- Extensive remote operator control via configuration file, Telnet and SNMP
- Universal Plug and Plug (UPnP) enables any UPnP device to connect seamlessly



## PRODUCT SPECIFICATIONS

### Protocol Support

- DOCSIS 1.1/2.0/3.0
- SNMP v1, v2C, v3

### Connectivity

- RF F-type female 75Ω connector
- 1x RJ-45 Ethernet port 10/100/1000 Mbps

### Management

- Web-based GUI control configuration and management
- Easy-to-read LEDs clearly display network status and activity
- Power on self diagnostic
- MIBs: MIB II, MCNS MIB, Hitron proprietary MIB

### Reception-Demodulation

- Demodulation: 64QAM, 256QAM
- Data Rate: 38Mbps (64QAM) / 43Mbps (256QAM)
- Frequency (edge-to-edge): 88 ~ 860 MHz
- Channel Bandwidth: 6 MHz
- Signal Level: -15 dBmV to 15dBmV
- Input return loss: >6dB

### Transmitter-Modulation

- Modulation: QPSK, 8QAM, 16QAM, 32QAM, 64QAM, and 128QAM (SCDMA only)
- Max speed
  - ▶ 320, 640, 1280, 2560, 5120kbps (QPSK)
  - ▶ 640, 1280, 2560, 5120, 10240KBPS (16QAM)
- Frequency: 5 ~ 42 MHz
- Bandwidth:
  - ▶ TDMA: 200, 400, 800, 1600, 3200 and 6400 kHz
  - ▶ S-CDMA: 1600, 3200 and 6400kHz

### Router Function

- Universal Plug and Plug (UPnP) enables any UPnP device to connect seamlessly
- VPN pass-through gives remote users secure access to the corporate infrastructure
- Build in DHCP server allows or dynamic assignment of the static IP block
- NAT firewall, MAC/IP/Port filtering
- Stateful packet inspection
- DHCP client/server and static IP network assignment

### Wireless

- IEEE 802.11b/g/n
- 2T2R 2.4 GHz with 300Mbps PHY data rate
- 20/40 MHz channel bandwidth
- Security: WEP-64/WEP-128, WPA-PSK/WPA2-PSK (TKIP/AES), WAPI
- QoS: WMM/WMM-PS
- GUI-based WPS (Wi-Fi Protected Setup) PIN

### Mechanical

- 5 status LEDs (POWER, CABLE, STATUS, ETHERNET, WIRELESS)
- Dimensions: 105mm (W) x 65mm (H) x 15mm (D)
- Weight: 220g ± 10g

### Environmental

- Input power: DC 5.0V single power input
- Power Consumption: 9.9W maximum
- Operating Temperature: 0°C (32°F) ~ 40°C (104°F)
- Operating Humidity: 10% ~ 90% (Non- condensing)
- Storage Temperature: -40°C (-40°F) ~ 80°C (176°F)
- Surge Protection: RF input sustains at least 2KV, Ethernet RJ-45 sustains at least 1.5KV