

# CDW-30240

## DOCSIS 2.0 WIFI GATEWAY

Intel® Puma™ 3 w/802.11n 2x2

DOCSIS/EuroDOCSIS 2.0

802.11n 2x2 2.4 GHz

Multiple SSIDs- 8 SSIDs



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

The Hitron CDW-30240 delivers speeds of up to 55 Mbps over its EuroDOCSIS interface. The integrated four-port Ethernet switch and WiFi 802.11n Access Point enable easy home networking.

### HIGH THROUGHPUT, POWER-EFFICIENT WIRELESS MULTIMEDIA

The CDW-30240'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-30240 supports pre-configured and pre-enabled WiFi security via WiFi Protected Setup (WPS), allowing the end-user to rapidly set up a secure wireless network without manual configuration.

### KEY FEATURES

- DOCSIS and EuroDOCSIS 1.1/2.0 compatibility
- 802.11n Wi-Fi Access Point with 2x2 internal antennas
  - ▶ Supports 8 SSIDs
  - ▶ Individual configuration for each SSID (security, bridging, routing, firewall and Wi-Fi parameters)
- Browser-based configuration and management (for end-user parameters)
- Extensive operator control via configuration file and SNMP
- Universal Plug and Plug (UPnP) enables any UPnP device to connect seamlessly
- VPN pass-through gives remote users secure access to the corporate infrastructure
- Built in DHCP server allows or dynamic assignment of the static IP block
- DHCP client/server and static IP network assignment
- NAT firewall, MAC/IP/Port filtering, parental control
- Stateful packet inspection



## PRODUCT SPECIFICATIONS

### Protocol Support

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

### Connectivity

- RF F-type female 75Ω connector
- 4x RJ-45 Ethernet port 10/100 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:
  - ▶ DOCSIS: 38Mbps (64QAM) / 43Mbps (256QAM)
  - ▶ EuroDOCSIS: 41Mbps (64QAM) / 55Mbps (256QAM)
- Frequency (edge-to-edge):
  - ▶ 88 ~ 860 MHz (DOCSIS)
  - ▶ 108 ~ 862 MHz (EuroDOCSIS)
- Channel Bandwidth:
  - ▶ 6 MHz (DOCSIS, DOCSIS-J),
  - ▶ 8 MHz (EuroDOCSIS)
  - ▶ 6/8 MHz (Dual Mode)
- Signal Level: -15 dBmV to 15 dBmV

### 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 (DOCSIS); 5 ~ 65 MHz (EuroDOCSIS)

### Wireless

- 802.11b/g/n
- 2T2R 2.4 GHz with 150Mbps PHY data rate
- 20/40 MHz channel bandwidth
- Up to 8 SSIDs
- Security: WPS, WPA, WPA2, WPA-PSK and 64/128-bit
- WEP encryption
- TACACS or RADIUS authentication

### Mechanical

- 6 status LEDs (Power, DS, US, Status, Ethernet and Wi-Fi)
- Factory reset button
- Dimensions: 196mm (W) x 51mm (H) x 173mm (D)
- Weight: 400g ± 10g

### Environmental

- Power: 12VDC, 1.5A
- Power Consumption: 6W (standby), 7W (operation)
- Operating Temperature: 0°C (32°F) ~ 40°C (104°F)
- Operating Humidity: 5% to 90% (Non-condensing)
- Storage Temperature: -20°C (-4°F) ~ 70°C (158°F)
- Surge Protection: RF input sustains at least 3KV, Ethernet RJ-45 sustains at least 6KV