

## Network Extender, Wi-Fi 4x4, MoCA, GigE

4x4 5GHz + 2x2 2.4GHz dual band MU-MIMO Wi-Fi,  
MoCA 2.0 channel bonding and gigabit Ethernet solution



### KEY FEATURES

- 4x4 5 GHz 802.11ac Wave 2 and 2x2 2.4 GHz 802.11n dual band MU-MIMO internal antennas
- 8 SSIDs per radio
- Individual configuration for each SSID (security, bridging, routing, firewall and Wi-Fi parameters)
- MoCA 2.0 Channel bonding for highest performance
- 2 GigE ports
- Upgradable software over web-based GUI
- Hardware DES and AES Encryption to keep your data safe from unauthorized access
- MyHitron app is offered for further support (available for Android and iOS devices)
- TR-069 for easy setup and remote management

### EASY TO INSTALL

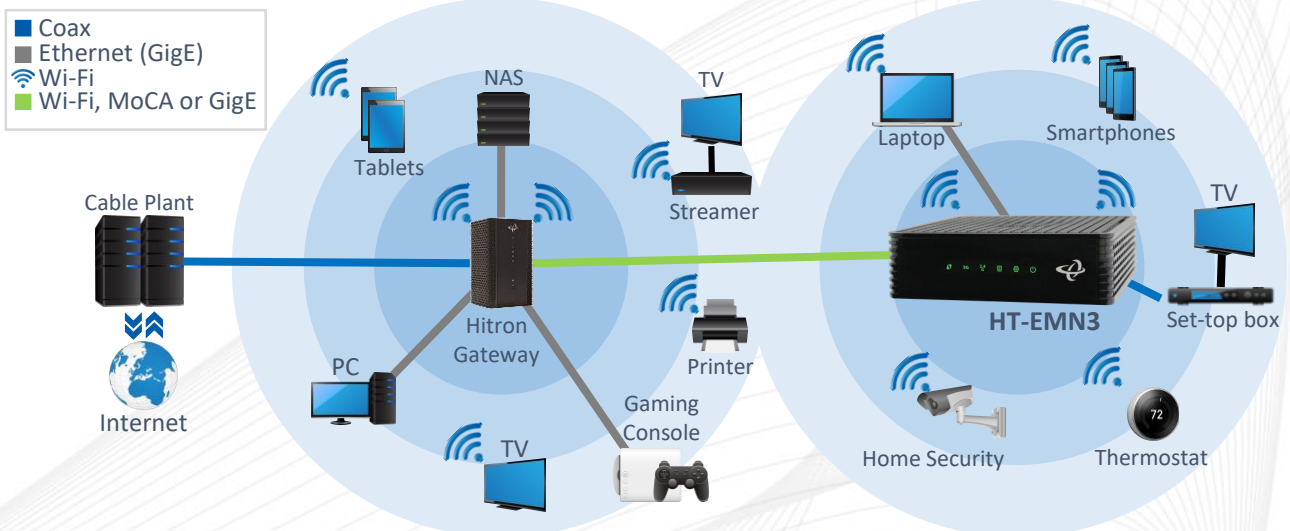
Hitron's HT-EMN3 offers the ability to extend your wireless network through three possible methods: Ethernet, MoCA or Wi-Fi. Simply connect the HT-EMN3 to a coax or Ethernet outlet and it will automatically establish the link and synchronize all Wi-Fi parameters with your Hitron gateway through the AutoSync feature.

### HIGH-PERFORMANCE NETWORKING

The HT-EMN3 integrates Wi-Fi 4T4R 802.11ac 5GHz + 2T2R 802.11n 2.4GHz dual band concurrent MU-MIMO Access Point, MoCA 2.0 Channel Bonding and Two Giga Ethernet ports. The HT-EMN3 enables high-bandwidth traffic to be seamlessly distributed across the end-user's home or office.

### EASY & SECURE

The HT-EMN3 supports pre-configured and pre-enabled Wi-Fi security via Wi-Fi Protected Setup (WPS), allowing the end-user to rapidly set up a secure wireless network without manual configuration.



## SPECIFICATIONS

### Connectivity

- 2x RF F-type female connectors (75Ω)
- 2x RJ-45 Ethernet ports 10/100/1000Mbps (Auto-MDI/MDIX)



### Management

- AutoSync (with Hitron gateway)
- MyHitron app support
- Protocol support: TR-069, SNMP v1, v2C, and v3
- Web-based GUI control, configuration and management
- Easy-to-read LEDs clearly display network status and activity

### MoCA 2.0 Reception / Transmitter-Modulation

- MoCA 2.1, 2.0, 1.1 and 1.0 standards
- Beacon band: D1, D2, D3, D4, D5, D6, D7, D8, D9, D10
- Primary channels: 1175MHz, 1200MHz, 1225MHz, 1250MHz, 1275MHz, 1300MHz, 1325MHz, 1350MHz, 1375MHz, 1400MHz, 1425MHz, 1450MHz, 1475MHz, 1500MHz
- Demodulation/Modulation: BPSK, QPSK, 8QAM, 16QAM, 32QAM, 64QAM, 128QAM, 256QAM, 512QAM, 1024QAM
- Data rate: 700Mbps (baseline Mode) / 1400Mbps (bonding channel)
- Throughput: 400+Mbps (baseline Mode) / 500+Mbps (baseline mode, point to point) / 800+Mbps (bonding channel) / 1000Mbps (bonding channel, point to point)
- Frequency range: 1125-1675MHz
- Channel bandwidth: 100MHz (baseline mode) / 225MHz (bonding channel)
- Link privacy: 56-bit DES and 128-bit AES hardware encryptions for network security and password
- Max number of network nodes: 16

### Compliance Certificates

- FCC, IC
- RoHS compliant



### Wireless

- 802.11a/b/g/n/ac
- 2T2R 802.11n 2.4GHz + 4T4R 802.11ac 5GHz dual band concurrent MU-MIMO with 300Mbps+1733Mbps PHY data rate
- Frequency range: 2.412~2.4835 GHz and 5.18~5.825GHz
- Channel bandwidth: 20/40/80/160MHz
- Up to 8 SSIDs for each frequency
- Security: WEP-64/WEP-128, WPA-PSK/WPA2-PSK (TKIP/AES)
- QoS: WMM/WMM U-APSD, Airtime Fairness management
- WPS (Wi-Fi Protected Setup) PBC, PIN
- Output power range:
  - 2.4G (EIRP) 22.01dBm
  - 5G Uni 1 (EIRP) 23.02dBm
  - 5G Uni 2 (EIRP) 26.02dBm
  - 5G Uni 3 (EIRP) 26.02dBm
  - 5G Uni 4 (EIRP) 26.02dBm
- Fast roaming: 802.11r, 802.11k, 802.11v
- Supports band steering

### Mechanical

- 6 status LEDs (Power, MoCA, LAN, 2.4G Wi-Fi, 5G Wi-Fi, WPS)
- WPS button
- Factory reset button
- Dimensions: 170 mm (W) \* 170mm(H) \* 50 mm(D)
- Weight: 460g ± 10g

### Electrical

- Power input: DC 12V / 2A
- Power adapter: 100-240VAC to DC 12V, 50/60Hz
- Power consumption: 24W (Maximum)
- Surge protection: RF input sustains at least 4KV, Ethernet RJ-45 sustains at least 4KV

### Environmental

- Operating temperature: 0°C (32°F) - 40°C (104°F)
- Operating humidity: 10% - 90% (non-condensing)
- Storage temperature: -30°C (-22°F) - 70°C (158°F)