

WiP8500

MoCA2.0 – 802.11ac WiFi



Description

WiFi 802.11ac Access Point
4 Port Gigabit Ethernet Switch
MoCA2.0 Ethernet to Coax Bridge



Key Features

- “E” Band MoCA – DirecTV compatible
- MoCA2.0
- 802.11ac WiFi
- Multimedia over Coax (MoCA®) Technology
- Utilizes Existing Coax Cables to Create Wired and WiFi Ethernet Connections
- Maintains All Cable TV Services
- Designed for Multiple Wi3 WiFi Access Point Installations
- Designed to Eliminate Dead Spots and Ensure **Full Strength WiFi** Everywhere
- Supports Two Low Power Modes – Sleep and Standby
- Reliability with One Packet Error in 100 Million Packets
- Low Latency of 3.5ms
- Backward Operability with MoCA1.0 and MoCA1.1 Without Degradation in Performance
- Plug-and-Play Installation, No Setup Required
- PQoS for Managed Bandwidth
- Concurrent Dual Band 2.4GHz and 5GHz
- Adjustable RF Signal Output
- SNMP
- MIMO
- TR-069 Remote Management
- Designed for Best Streaming of Multiple High Definition Videos
- WiPcheck™ Built-in MoCA Network Diagnostic Tools and Node Performance Testing
- Maximum Gaming Performance
- Compatible with U-Verse® & FiOS® & IPTV

WiP8500 Specifications

- MoCA System
 - MoCA 2.0 compliant
 - Network Center Frequency Range – 475 ~625MHz (MoCA E-Band)
 - Channel Bandwidth – 50/100 MHz; 225MHz for bonded implementation
 - Throughput: Up to 1Gbps for Channel Bonding
- MoCA Data Rate:
 - Base Mode:
 - Up to 700 Mbps (Max PHY rate)
 - Up to 400+ Mbps MAC Throughput
 - Single 100 MHz Channel
 - Enhanced Mode
 - Up to 1.4 Gbps (Max PHY rate)
 - 800+ Mbps Mac Throughput
 - Dual Bonded 100MHz Channels (“Channel Bonding”)
- Diplexer – dB Loss
 - Low Pass (5-1002MHz)
 - Insertion Loss – 1 dB Max
 - Return Loss – 10 dB Min
 - High Pass
 - Insertion Loss – 3dB Max
 - Return Loss – 10 dB Min
- RF Network Interface:
 - Cable Input (Data & RF) - F-Type Connector – 75 Ω
 - TV Output (TV Only) – F-Type Connector – 75 Ω
- LAN Interface:
 - Gigabit Ethernet Switch
 - 4 RJ45 LAN Ports
- WiFi
 - Output Power/EVM (typical)
 - 802.11n (2.4G) – 13dBm/28
 - 802.11ac (5G/11ac – 10dBm/30
 - TX Adjustable Power Max – 400mW
 - Dual Band/Dual Concurrent – 2.4G (2x2, 11n) – 5G (2x2, 11ac)
 - Signal Beam Forming
 - MIMO
 - Antennas – 2X2
- Power:
 - Local Power 12V, 2A Power Adapter
 - Power Consumption - TBD
- Physical Size: 5.5” X 8’ X 1.2”
- Environmental:
 - Ambient Temperature Range 0 ~ 35°C
 - Operating Humidity 10% ~ 95%