

EoC Coax MDU Wi-Fi Endpoint

October 2013

**Coax MDU Wi-Fi Endpoint
With In-Building Coax
Last Meters Distribution
Providing a Managed
700Mbps / 350Mbps
High Speed Data with
MIMO 2x2 11n Wi-Fi**

Triple Play by QoS and IPv6 Support

No additional network wiring ...

***The Most Powerful Coax MDU Solution with
Remote Management and Auto Provision.***

INTRODUCTION

THE COAX MDU WIRELESS ENDPOINT, CES-760, IS THE BROADBAND ACCESS DEVICE OVER THE EXISTING COAXIAL CABLE WITH WI-FI EXTENSION.

NO ADDITIONAL NETWORK WIRING IS NECESSARY.

CABLE OPERATORS MAY JUST USE THE EXISTING COAX WIRING OF CABLE OPERATORS OR IN THE MDU BUILDING, THEN BE READY TO PROVIDE THE BROADBAND TRIPLE-PLAY SERVICES TO SUBSCRIBERS..

LOW INITIAL DEPLOYMENT COST. THE LOW INITIAL COST CAN EXPAND THE SERVICE TO SMALL SCALE BUILDING WITH HIGHER SPEED THAN CMTS. DUAL SUPPORT OF IPV4 AND IPV6 PROVIDE THE FLEXIBILITY FOR OPERATORS.

WITH HIGH THROUGHPUT AND QoS, IT CAN OPTIMIZE TRIPLE PLAY SERVICES.

AUTO PROVISIONING AND REMOTE MANAGEMENT. IT MINIMIZES THE INSTALLATION AND SUPPORT COST. THE UNIQUE ENDPOINT SERVICE CONTROL SUPPORTS SERVICE PROVIDERS WITH DIFFERENT SERVICE LEVELS AND SERVICE SCHEMES.



Model : CES -760

FEATURES

- Design for Operators Providing High Speed Data and Wi-Fi Service over Coax Network
- EoC up to 700/350 Mbps PHY/Throughput Rate as Distribution Backbone over Coax
- Up to 70dB Attenuation on Coax Network
- Two 10/100M Fast Ethernet Ports
- MIMO 2x2 11b/g/n Wi-Fi Access Point Support
- Ethernet Loop Detection and Isolation
- Filter Built-in to Eliminate Noise from TV
- QoS Priority and Mapping Support
- Tag VLAN Configuration
- Service and Bandwidth Control
- IGMP Snooping Control

SPECIFICATIONS

➤ Network Standards

- EoC (Ethernet over Coaxial Cable)
- IEEE 802.3u 100M Fast Ethernet
- IEEE 802.11 b/g/n Wi-Fi

➤ Connectors

- Ethernet : Two RJ-45 Connectors
- Coax: Two F-Type Female Coax Connectors, One for EoC, the Other for TV

➤ Modulation, TX Power and Spectrum

- OFDM, 15 +/- 1 dBm, 7.5–67.5MHz
- Filter: 76MHz

➤ Transmission Speed and Range

- PHY/Throughput 700/350Mbps
- 90dB Max Attenuation, High Speed within 50dB

➤ Ethernet Interface

- 10/100Mbps Auto Negotiation
- MDI/MDI-X Auto Crossover

➤ Wi-Fi Interface

- MIMO 2x2 Wi-Fi IEEE802.11b/g/n
- Security: WEP, WPA/WPA2, WPA/WPA2 with PSK

➤ Management (via CEM-738/739/7038/7039)

- Web, Telnet, SNMP Support
- DHCP Option 82 and Snooping
- Auto Configuration/Provisioning Support
- Priority Based on 802.1p, TOS, TCP/UDP Port
- 802.1Q Tag VLAN Support
- Online Diagnosis of Coax Interface
- Bandwidth Control
- Host Number Control
- IGMP v3 Snooping Control
- Endpoint Ethernet Statistics and Status

➤ Indicators

- "Power" LED
- EoC "Link/Activity" LED
- Ethernet "Link/Activity" LED x 2
- Wi-Fi : Link/Activity LED

➤ EMI/EMC and Safety

- Comply with FCC
- Comply with CE

➤ Environmental Conditions

- Operating Temperature : 0°C ~ 50°C (32°F ~ 120°F)
- Storage Temperature : -10°C ~ 65°C (14°F ~ 149°F)
- Operating Humidity : 10% ~ 95%, Non-condensing

➤ Power Requirement

- External Power Supply : 12 VDC
- Power Consumption : < 4 Watts

➤ Physical Dimension

- 130mm (W) x 95mm (D) x 32mm (H)

➤ Unit Weight

- 170g

RELATED PRODUCTS

➤ Products of EoC Coax MDU Solution

- CEM-738, Coax MDU Master Bridge
- CEM-7038, Coax MDU Outdoor Master Bridge
- CEV-740, Coax MDU Voice Endpoint
- CEM-7138, Coax MDU Master Bridge Module



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