

EoC Coax MDU Ethernet Endpoint

October 2013

Coax MDU Ethernet Endpoint With In-Building Coax Last Meters Distribution Providing a Managed 700Mbps / 350Mbps High Speed Data

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 ENDPOINT, CES-730, IS THE BROADBAND ACCESS DEVICE OVER THE EXISTING COAXIAL CABLE.

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 -730

FEATURES

- Design for Operators Providing High Speed Data 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
- 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

➤ 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 (CES-730); 7.5 – 47MHz (CES-731)
- Filter: 76MHz (CES-730), 47MHz (CES-731, CATV Ch1)

➤ Transmission Speed and Range

- PHY/Throughput 700/350Mbps for CES-730; 500/250Mbps for CES-731
- 90dB Max Attenuation, High Speed within 50dB

➤ Ethernet Interface

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

➤ 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
- Coax "Link/Activity" LED, "Quality" LED
- Ethernet "Link/Activity" LED x 2

➤ EMI/EMC and Safety

- Comply with VCCI and FCC Part 15
- 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



WISI - WILHELM SIHN AG

Hintermättlistrasse 9
Tel +41 (0)62 896 70 40
info@wisi.ch

5506 Mägenwil
Fax +41 (0)62 896 70 41
http://www.wisi.ch http://www.wisi-ngn.ch