



## EoC Master Module

### KEY FEATURES:

- SMALL DIMENSIONS
- EASY TO USE
- EASY TO INSTALL

### Main Features

EOM-7101M EoC Master Module is based the Qualcomm AR7410 chipset solution, with high anti jamming capability OFDM technology. The 7.5-65Mhz low frequency band is used for EoC signals. Built in high isolation filter as CATV RF and EoC signal mixer, the EoC signal and CATV signal in 87~862Mhz can running on one cable without interference. The EoC Master can provide high speed data service. The PHY Layer speed is 600Mbps, the MAC Layer throughput is up to 320Mbps. EOM-7101M is modularized product. Because of aluminum alloy die casting shaping it have good heat dissipation and shielding effect. It can integrate with our or the third-party's ONU, OR product to an multifunctional product.

### Function Features

- HomePlug AV solution, based the Qualcomm AR7410 chipset
- 7.5-65Mhz frequency for EoC signals., no influence on CATV Service
- PHY Layer speed600Mbps, MAC Layer throughput up to 320Mbps
- Support bi-direction data encryption
- Support broadcast storm limitation
- Support data packet statistics and On-line upgrading
- Support auto-update and auto-configuration
- Support WEB、CLI、SNMP based network management
- Support Aluminum alloy die casting shaping, good heat dissipation

## Product Specifications

Item	Description
<b>Standard</b>	HomePlug AV/IEEE P1901
<b>Interface</b>	One EOC signals RF Output Two 10/100/1000M Auto-negotiation RJ45 ports Power supply Port
<b>RF Feature</b>	Modulation mode: 4096, 1024, 256, 64, 16,8 QAM,QPSK,BPSK,ROBO MAC Layer Protocol: CSMA/CA, TDMA Working Frequency:7.5~65 MHz Output Level:110±5dBuv Receive Sensitivity: 45dBuv Return Loss:>16dB Output Resistance:75Ω PHY Layer:600Mbps Throughput on MAC Layer:320Mbps Encryption Mode AES-128
<b>Software Function</b>	Support bi-direction data encryption Support broadcast storm limitation Support data packet statistics and On-line upgrading Support auto-update and auto-configuration Support WEB,CLI,SNMP based network management Support Aluminum alloy die casting shaping, good heat dissipation Supports 802.1Q VLAN
<b>Equipment Performance</b>	MAX number of concurrent Slave: 253 [50 without throughput affect]
<b>Power Supply</b>	Power Supply:12VDC,2Pin Power Connector Consumption:<7W
<b>Physical Feature</b>	Package dimension:260×110×60mm Package weight:0.130kg
<b>Working Environment</b>	Working Temperature:-10~65 °C Working humidity:10%~90%non-condensing